ATTACHMENT 1 Stakeholder Comments

Stakeholder Comments

The stakeholder review period for the Wildcat Creek Watershed Restoration Action Strategy (WRAS) ended February 18, 2000. Well over 40 copies of the WRAS were distributed to stakeholders. However, only four individuals provided written comments on the WRAS. The WRAS is intended to be a living document; therefore, as new information or comments are available, they will be attached to the current version of the WRAS.

The Wildcat Creek WRAS has been revised to incorporate stakeholder comments, where appropriate. The following is a reproduction of the stakeholder comments:

General Comments

- I have read the draft completely and it sounds like a very thorough plan. I think the strategy seems to cover all bases. You have made it a "living" document, if we later find something that needs to be addressed. I think the Network Board is bringing together several of the groups that can have a definite impact on improving water quality. I particularly like the fact that you have incorporated local citizen groups (ie. Guardians and Wildcat Creek Foundation) as stakeholders. I view groups such as the Guardians as being purists in our views answering to no higher power, so to speak.. we just want the Wildcat to be the best it can be. Because these groups are included, you have brought together the "on the creek" people and the "clout" people a winning combination. Overall, I think the "information sharing " is a powerful tool. I do think our overall task would be easier if we included landowners in the watershed. I realize we are talking about a lot of people, but perhaps we could have meetings and invite the public (education tool). These are the people who ultimately either protect or pollute the stream. Maybe this comes later in the plan.
- The Guardians have Section Coordinators, water quality monitoring people and some landowners who are in "direct" contact with the creek on a regular basis. I think we could act as the eyes and ears of the creek. We can further educate these Guardians to look beyond the trash and look for signs of other types of pollution during their monitoring. We then could bring that information back to the Network Board to figure our how to correct it. Is this how you envision the Guardians assisting in this endeavor? If I am off-base on this, please let me know.
- Individual homeowners who have direct sewage tiles into a stream or ditch. Has this been addressed by IDEM? Is this considered to be a problem? If there are a substantial number of these cases on a particular waterway, it seems it could have an impact on water quality, especially if we are talking about a small stream or ditch with minimum flow a good part of the year.
- If we correct a violation (ie. STP, industries, etc.) and improve the water quality in the creek, how are we assured that the violator does not violate again? I do not know the procedures in place for monitoring the creek. Does IDEM have the manpower and funds available to monitor the violators consistantly? Are these violators responsible for monitoring themselves? If so, does this work?
- Are the IDEM people who are working on this Wildcat Creek Watershed Initiative dedicated
 exclusively to this project or are they working on other projects as well? I think that, if we take a
 "watershed approach", that there should be dedicated IDEM staff to monitor that watershed with
 that as their only responsibility. Perhaps, I am living in a fairyland...perhaps funds and staff are not
 available for this to be possible. Just wondering.

- I realize that I have a lot to learn and some of my questions and comments may be common knowledge for most of the people concerned. However, I do find all of this to be very interesting and I'm attempting to be a "sponge" for information.
- I think all of the IDEM, SWCD, IDNR people I have met seem to be very dedicated in their tasks. I very much appreciate this not only as a Guardian but as a citizen.
- Other points of concern despite repeated requests for information, I still remain outside the "loop".
 The Tissue and Sediment studies from 12 years ago were appreciated, however roundabout the source. I would really appreciate seeing the Macroinvertebrate survey information, including sampling protocol.

Specific Comments

Part I:

- Executive Summary, Water Quality Goal, page ii Would you reference the WRAS section with the actual goals?
- Table 2-1, Wildcat Creek Population Projections 1990-2020, page 2-5 -The Howard County Percent Change is incorrect. It should be +.5.
- Table 3-2, NPDES Permitted Facilities ID IN0037974 (on page 3-10) This facility was purchased by Martin Marietta.
- Section 3.3.1 Agriculture Please add a map of regulated confinement feeding facilities. Everything else is mapped. They are important sources of pollution.
- Page ii: South Fork of the Wildcat for Cyanide
- ii South Fork of the Wildcat for Cyanide violations not supported by chemical analysis. Why not address the Heavilon Ditch, swamp Creek, Campbell's Run, and Kilmore Creek violations(D.O., NH3, E.coli, etc.)?
- ii Prairie Creek Ditch Can't find the data to support this.
- Carroll County took the lead?
- 2-11- Item 2.4 Areas of special concern the former ING RICH and AUGSTUS HOOK sites are (were) present within the Wildcat Creek watershed (Blynn Ditch). Both were (are) superfund sites.
- 3-6 Defining point sources tabbing septage as a point source.
- 3-11 Nonpoint Sources tabbing septage as a non-point sources.
- See attached information sheets from I. S.D. H., ; historical review of Applicable State and Federal Laws.
- Who is supposed to be enforcing Rule 5 compliance anyway?
- 4-4 Old Data! Cyanide levels don't support item #1 (page II).

- 4-6- Fish Consumption Advisories- 1999 Advisory was available for use. Additionally, the data that I finally received on 2/1/00, is old (Contaminant Monitoring Analytical Results of Fish Tissue and Surficial Aquatic Sediments From Sites In The Wildcat Creek Watershed samples dated 1987 1994). Technological advances and subsequent sampling should be able to provide a better picture. What standards are being used for this? What standards are being used for the sediment samples? Not trying to be anymore cute than necessary, just what kind of bird is illustrated flying across the cover of this document?
- 4-8 Item 4.5 I have yet to see any Benthic Aquatic Macroinvertebrate Community Assessments. Fish and Sediment testing as per above (page 4-6).
- 5-18 How large of a watershed? The wildcat creek drainage, by my calculations, is 514560 acres. Is this something that is to be used at smaller subunits? (ex : Heavilon Ditch, Spring Creek, Swamp Creek, etc.)
- R-1 Stylistics within the references consistency.
- Figure 2-2 14 Digit Hydrologic Unit Code Watersheds Within the Wildcat Creek Watershed- C. Hillis Watershed is labeled as the Talbert Ditch. Other watersheds are <u>no</u>t identified. Might want to include the County Lines in this figure too.
- C-3 Typo Third line Aquatic <u>LIRE?</u>, need spaces between monitored, items (c) and (d)
- C-8 Fourth line Middle Fork Wildcat the nearest town should be either Burlington or possibly Forest. Additionally, note the typo <u>RecreCational</u>.
- D- 1 The new Mayor of Frankfort is The Honorable Roy Scott

Part II

Recommended Management Strategies - The strategies need summarization. They are too wordy.
They contain too much background material. Leave them as explanatory material, and replace them
with one sentence summaries. Think about what you will use on your presentation overheads. For
example:

Recommended Management Strategies

- 1 Obtain targeting and priorities of watershed stake holders for allocation of water quality improvement resources.
- 2 Develop Total Maximum Daily loads for watershed and allocate to sources.
- 7 As noted before, provided data does <u>not</u> support cyanide violations or the dissolved oxygen violations.
- 9 Item 4.3 Midght consider the I.S.D.H. definition of a failed septic system. Addionally, review the historical perspective provided in <u>PART I.</u>
- 11 Item 4.7 Point Vs. Non- point.

ATTACHMENT 2

Wildcat Creek Draft Waterbody Assessments March 2000

Wildcat Watershed 05120107



Planning and Restoration Branch
Office of Water Management
Indiana Department of Environmental Management
Indianapolis, Indiana

Direct comments or questions about this report to:
Linda Schmidt
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(317) 233-1432

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Wabash River **GRASSY FORK DITCH - HARPER DITCH** 05120107010010 WATERBODY INB0711 14-digit HUA GRASSY FORK DITCH - HARPER DITCH 13.63 miles No 303(d) list SEGMENT 00 Discharge HOWARD CO Assessment Date 19991108 Location Site 23-026, 23-027, 23-028, 23-029, 23-030 Ref 72. Source 19980819 and 19981022 Assessment notes Sampled between agriculture - workgroup. Source septic and possible straight pipe from Port Isabel - W. Stone. Designated Use Support Causes (Pollutants or stressors) Sources (Activities) Aquatic Life Support Fully **Fish Consumption** Not assessed Primary Contact (Recr) Not supporting Pathogens Livestock Illicit connections/illegal hook-ups/dry weather flows S Pathogens Pathogens S Onsite Wastewater Systems (Septic Tanks) Assessment ID Assessment Method 240 Non-fixed station physical/chemical (conventional + toxicants) 422 Water column/ E. coli grab samples MIDDLE FORK DITCH 14-digit HUA 05120107010020 INB0712 WATERBODY 12.98 miles MIDDLE FORK DITCH 303(d) list SEGMENT 00 Discharge HOWARD CO Assessment Date 19991108 Location Assessment notes Site 23-023, 23-024, 23-025 Ref 72. Sampled between 19980814 and 19980814 Causes (Pollutants or stressors) Sources (Activities) Designated Use Support **Aquatic Life Support Fully** Fish Consumption Not assessed Primary Contact (Recr) Fully 560 Assessment ID Assessment Method 240 Non-fixed station physical/chemical (conventional + toxicants) 422 Water column/ E. coli grab samples 05120107010030 WATERBODY INB0713 **MUD CREEK - HEADWATERS (TIPTON)** 14-digit HUA **MUD CREEK - HEADWATERS (TIPTON)** 12.69 miles 303(d) list SEGMENT 00 Assessment Date 19991108 TIPTON CO Location Discharge 19980814 Site 23-001, 23-002, 23-003, 23-004 Ref 72. Survey Section and 19980814 Sampled between Assessment notes field note: House subdivision and field tiles upstream (illicit connections), livestock, algae, field tiles flowing (crop related), dredging. Designated Use Support Causes (Pollutants or stressors) Sources (Activities) **Aquatic Life Support** Fully Fish Consumption Not assessed Primary Contact (Recr) Not supporting s **Crop-related Sources Pathogens** Livestock **Pathogens Pathogens** Illicit connections/illegal hook-ups/dry weather flows S 561 Assessment Method Assessment ID

Abreviations: ALUS-aquatic life use support. BSS-Biological Studies Section. DELT-deformities, lesions, and tumors. D/S-downstream. FISH-fish consumption use support. HUA-hydrologic unit area. IBI-Index of biotic integrity (fish). LMTD-limited use support. mIBI-Macroinvertebrate index of biotic integrity. QHEI-Qualitative habitat evaluation index. RCRA-Resource Conservation and Recovery Act. RECR-recreational use support. RF3-USEPA Reach File 3. Str pipe-raw sewage discharge pipe. U/S-upstream. UTM-global positioning coordinates. Cause and source rating codes: H-high, M-moderate, S-slight, T-more information needed to decide.

240 Non-fixed station physical/chemical (conventional + toxicants)

422 Water column/ E. coli grab samples

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Wabash River BASIN

Fish Consumption

Primary Contact (Recr)

Location

WATERBODY INB0714 **MUD CREEK - NORTH CREEK** 14-digit HUA 05120107010040

SEGMENT 00 MUD CREEK - NORTH CREEK 303(d) list

Assessment Date 19991108

S

14.06 miles

Discharge TIPTON CO

Channelization

Site 230995, 23-006, 23-007, 23-008, 169-045, 23-009 Ref Assessment notes

19980701 and 19981030 Sampled between 72, 73. Habitat- channelized; unsightly nuisance algae - BSS

file notes. Two discharge pipes; pasture with access to stream - Surceys field notes. Possible septics or str pipe frm

Biotic community status

Nevada - W Stone.

Designated Use Support Causes (Pollutants or stressors) Sources (Activities) 562

Aquatic Life Support Not supporting

Fish Consumption Not assessed

Primary Contact (Recr) Not supporting

H Livestock Pathogens Н Pathoger H Illicit connections/illegal hook-ups/dry weather flows H Assessment ID

Assessment Method 240 Non-fixed station physical/chemical (conventional + toxicants)

332 Fish community assessment, IBI

Not assessed

422 Water column/ E. coli grab samples

INB0715 **TURKEY CREEK (TIPTON)** 05120107010050 WATERBODY 14-digit HUA

SEGMENT 00 TURKEY CREEK (TIPTON) 14.06 miles 303(d) list

TIPTON CO Location Discharge Assessment Date 19991108

Site 169-035, 23-010 - Ref 72, 73. Buffer strips, BSS field 19980701 and 19981030 Assessment notes Sampled between notes, 11/8/99.

Designated Use Support Causes (Pollutants or stressors) Sources (Activities)

Aquatic Life Support Fully

Primary Contact (Recr) Fully

563 **Assessment Method** Assessment ID

240 Non-fixed station physical/chemical (conventional + toxicants)

332 Fish community assessment, IBI 422 Water column/ E. coli grab samples

WATERBODY INB0716 **TURKEY CREEK - ASKREN/ ROUND PRAIRIE DITCHES** 14-digit HUA 05120107010060

SEGMENT 00 TURKEY CREEK - ASKREN/AROUND PRAIRIE 14.36 miles No 303(d) list **DITCHES**

Above and including Round Prairie Creek. Discharge TIPTON CO Location Assessment Date 19991108 Assessment notes Site 23-011, 23-012, 23-013, 23-014 - Ref 72. and 19981022

Sampled between 19980814

Designated Use Causes (Pollutants or stressors) Sources (Activities)

Aquatic Life Support Fully

Fish Consumption Not assessed

Assessment ID 564 240 Non-fixed station physical/chemical (conventional + toxicants)

422 Water column/ E. coli grab samples

Fully

Abreviations: ALUS-aquatic life use support. BSS-Biological Studies Section. DELT-deformities, lesions, and tumors. D/S-downstream. FISH-fish consumption use support. HUA-hydrologic unit area. IBI-index of biotic integrity (fish). LMTD-limited use support, mIBI-Macroinvertebrate index of biotic integrity. QHEI-Qualitative habitat evaluation index. RCRA-Resource Conservation and Recovery Act. RECR-recreational use support. RF3-USEPA Reach File 3. Str pipe-raw sewage discharge pipe. U/S-upstream. UTM-global positioning coordinates. Cause and source rating codes: H-high, M-moderate, S-slight, T-more information needed to decide.

Monday, March 13, 2000 rptWBAssessment wildcat

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INB0716 WATERBODY **TURKEY CREEK - ASKREN/ ROUND PRAIRIE DITCHES** 14-digit HUA 05120107010060

SEGMENT T1030 **Turkey Creek** 3.17 miles

303(d) list

Location

Discharge TIPTON CO

Assessment Date 19991108

Assessment notes site 23-015, 23-016 Ref 72. Possible str pipe or septics from

Sampled between 19980814 and 19981022

Windfall - W Stone. 11/30/99.

Designated Use

Fish Consumption

Support Fully

Causes (Pollutants or stressors)

Sources (Activities)

Aquatic Life Support

Not assessed

Primary Contact (Recr) Not supporting

Pathogens

S Nonpoint source/ unknown origin

s

Assessment Method

Assessment ID

565

240 Non-fixed station physical/chemical (conventional + toxicants)

422 Water column/ E. coli grab samples

WATERBODY

WILDCAT CREEK - MUD CREEK - IRWIN CREEK

14-digit HUA 05120107010070

SEGMENT 00

Mud Creek

HOWARD CO Discharge

303(d) list

Location Below Irwin Creek to mouth at Wildcat Creek.

4,13 miles

Assessment Date 19991108

Assessment notes Site 23-019, 23-020 Ref 72.

Sampled between 19980814

and 19981022

Designated Use Aquatic Life Support

Support Fully

Causes (Pollutants or stressors)

Sources (Activities)

Fish Consumption

Fully

Not assessed

Primary Contact (Recr)

SEGMENT T1001

Assessment Method

Assessment ID

567

240 Non-fixed station physical/chemical (conventional + toxicants)

422 Water column/ E. coli grab samples

Wildcat Creek - mainstem

1.39 miles

303(d) list Listed 1996

Location

Assessment notes Number 97 on 1998 303d list - Ref 31 3/1/98. Fish

Discharge HOWARD CO Sampled between 19980814 and 19981022

Assessment Date 19980301

consumption - Ref 35. ALUS revised site 23-031 Ref 72;

11/8/99.

Designated Use Aquatic Life Support

Support Fully

Causes (Pollutants or stressors)

Sources (Activities)

Fish Consumption

Not supporting

PCBs

H Source Unknown

H

Primary Contact (Recr) **Fully**

Assessment Method

Assessment ID

370

240 Non-fixed station physical/chemical (conventional + toxicants)

422 Water column/ E. coli grab samples

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WATERBODY INB0717 WILDCAT CREEK - MUD CREEK - IRWIN CREEK 05120107010070 14-digit HUA SEGMENT T1031 Mud Creek - Irwin Creek 8.08 miles 303(d) list Mud Creek from Turkey Creek confluence to below Discharge HOWARD CO Location Assessment Date 19991108 and including Irwin Creek. Assessment notes Site 23-017, 23-018 Ref 72; 11/8/99. Source possibly failing Sampled between 19980814 and 19981022 septics: W Stone 11/30/99. Designated Use Support Causes (Pollutants or stressors) Sources (Activities) Aquatic Life Support Fully **Fish Consumption** Not assessed Primary Contact (Recr) Not supporting **Pathogens** M Onsite Wastewater Systems (Septic Tanks) Assessment Method Assessment ID 240 Non-fixed station physical/chemical (conventional + toxicants) 422 Water column/ E. coli grab samples WATERBODY INB0718 WILDCAT CREEK - JEROME 05120107010080 14-digit HUA SEGMENT T1002 WILDCAT CREEK - JEROME **5.61** miles Listed 1996 303(d) list Discharge HOWARD CO Includes part of Kokomo Reservoir No 2 that is Location Assessment Date 19991108 upstream of US35/SR22. Assessment notes Number 97 on 1998 303d list - Ref 31; 3/1/98. Fish Sampled between 19980805 and 19981022 consumption - Ref 35. Site 23-032, 23-01, 23-033, 23-034, 23-035 Ref 72. ALUS revised 11/8/99. Source Ref R Paulus. Howard Co Health Dept presentation 5/99. Designated Use Support Causes (Pollutants or stressors) Sources (Activities) **Aquatic Life Support** Fully Fish Consumption Not supporting **PCBs** Source Unknown Primary Contact (Recr) Not supporting **Pathogens** Illicit connections/illegal hook-ups/dry weather flows M 371 Assessment Method Assessment ID 240 Non-fixed station physical/chemical (conventional + toxicants) 421 Water column/ five E. coli samples in 30 days 422 Water column/ E. coli grab samples WATERBODY INB0719 **WILDCAT CREEK - KOKOMO RESERVOIR NO 2** 05120107010090 14-digit HUA SEGMENT 00 Smith Ditch 0.5 miles 303(d) list Discharge HOWARD CO Location Assessment Date 19991108 Assessment notes Site 23-036, 23-036A, 23-036B, 23-037 Ref 72. Sampled between 19980814 and 19981022 Causes (Pollutants or stressors) Designated Use Support Sources (Activities) Aquatic Life Support Fully Fish Consumption Not assessed Primary Contact (Recr) Fully **Assessment Method** Assessment ID 569 240 Non-fixed station physical/chemical (conventional + toxicants) 422 Water column/ E. coli grab samples

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INB0719 WATERBODY **WILDCAT CREEK - KOKOMO RESERVOIR NO 2** 14-digit HUA 05120107010090 SEGMENT P1003 Kokomo Reservoir No 2 4.79 miles 303(d) list Listed 1998 Discharge HOWARD CO Assessment Date 19991108 Assessment notes Number 73 on 1998 303d list - Ref 31 3/1/98, Fish 19980814 Sampled between and 19981022 consumption - Ref 35. ALUS and RECR assessed Site 23-036, 23-036A, 23-036B, 23-037 Ref 72; 11/8/99. Designated Use Support Causes (Pollutants or stressors) Sources (Activities) Aquatic Life Support Fully Fish Consumption **Partial** Metals S Mercury S Source Unknown S Primary Contact (Recr) Assessment Method Assessment ID 372 240 Non-fixed station physical/chemical (conventional + toxicants) 422 Water column/ E. coli grab samples SEGMENT P1004 Kokomo Reservoir No 1 0.24 miles 303(d) list No Mileage measured north to south at approximate Location Discharge HOWARD CO Assessment Date 19991108 east - west midpoint. There is no surface hydrologic connection with Reservoir No 2 on Raster topographic map. Assessment notes Site 23-036, 23-036A, 23-036B, 23-037 Ref 72. Sampled between 19980814 and 19981022 Designated Use Sources (Activities) Support Causes (Pollutants or stressors) **Aquatic Life Support** Fully Fish Consumption Not assessed Primary Contact (Recr) Assessment Method Assessment ID 570 240 Non-fixed station physical/chemical (conventional + toxicants) 422 Water column/ E. coli grab samples INB071A WATERBODY WILDCAT CREEK - STAHL/ CANNON GOYER DITCHES 05120107010100 14-digit HUA Stahl Ditch SEGMENT 00 3.97 miles 303(d) list No Location Discharge HOWARD CO Assessment Date Assessment notes Sampled between and Designated Use Support Causes (Pollutants or stressors) Sources (Activities) Aquatic Life Support Not assessed Fish Consumption Not assessed Primary Contact (Recr) Not assessed

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BASIN Wabash River

WATERBODY INBO	071A 005 Prairie Creek	WILDCAT CREEK - STAHL/ CANNOR Ditch - upper	N GOYER DITCHES		5120107010100 sted 1998)
	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
Location Assessment notes	42 Ref 72. Scum, f	8 303d list - Ref 31 3/1/98. Site 23-40, 2 loating dead algae observed - Surveys at LUS revised. Source rural nonpoint \		Assessment Date n 19980814 and	19981022	
<u>Designated Use</u> Aquatic Life Suppo	Support ort Fully	Causes (Pollutants or stressors)	Sources (A	ctivities)		
Fish Consumption	Not assessed	d				
Primary Contact (R	lecr) Not supporting	•				
240	ent Method Non-fixed station in Water column/ E.	Pathogens physical/chemical (conventional + toxical coli grab samples	- Billion	e/ unknown origin ment ID	572	М
SEGMENT T10	006 Wildcat Cree	k - mainstem	2.95 miles	303(d) list Lis	sted 1996	
not	include 0.23 miles fr non - Goyer Ditch to	Kokomo water intake.		Assessment Date	19991130	
Assessment notes	045 to 23-053, 169 field notes 11/8/99.	st,Ref 31. FISH- Ref 35. Site WC-66,23- -065,- Ref 72,73,77. High DELTs- BSS. ALUS non supp to part supp. Str pipe V Stone 11/30/99. Possible lead cause; leeded.	<u>.</u>	₂ 19960101 and	19981231	
<u>Designated Use</u> Aquatic Life Suppo	Support ort Partial	Causes (Pollutants or stressors)	Sources (A	ctivities)	574	
		Metals	T			
		Lead	T Combined Sew	er Overflow		τ
		Cyanide	M Industrial Point	Sources		M
Fish Consumption	Not supporting	ng				
		PCBs	H Source Unknow	m		Н
Primary Contact (R	lecr) Not supporting	ng				
		Pathogens	M			
Assessme	ent Method		Assessi	nent ID	574	
	ar in Brasilia de Salaria de La Caracteria de Caracteria d	ical/chemical (conventional plus toxic po	1. N			
	· · · · · · · · · · · · · · · · · · ·	physical/chemical (conventional + toxical	ints)			
	O Chemical monitori					
	2 Fish community as					
		t Evaluation Index, QHEI; by professions	al			
422	2 Water column/ E.	coli grab samples				

Abreviations: ALUS-aquatic life use support. BSS-Biological Studies Section. DELT-deformities, lesions, and tumors. D/S-downstream. FISH-fish consumption use support. HUA-hydrologic unit area. IBI-Index of biotic integrity (fish). LMTD-limited use support. mIBI-Macroinvertebrate index of biotic integrity. QHEI-Qualitative habitat evaluation index. RCRA-Resource Conservation and Recovery Act. RECR-recreational use support. RF3-USEPA Reach File 3. Str pipe-raw sewage discharge pipe. U/S-upstream. UTM-global positioning coordinates. Cause and source rating codes: H-high, M-moderate, S-slight, T-more information needed to decide.

Monday, March 13, 2000 rptWBAssessment_wildcat

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BASIN Wabash River

					2000		
ERBODY INBO	Diagram and the state of the st	WILDCAT CREEK - STAHL/ CAN	NON G		14-digit HUA	051201070101	00
SEGMENT.		k - upstream of water intake		0.23 miles	303(d) list	Listed 1996	
Location Belo			harge	HOWARD CO	Assessment	Date 19991130	
Assessment notes	045 to 23-053, 169- field notes 11/8/99.	st,Ref 31. FISH- Ref 35. Site WC-66 -065,- Ref 72,73,77. High DELTs- Bacterian Supp. Str pig / Stone 11/30/99. Possible lead causeded.	SS pe	Sampled between	19960101	and 19981231	
<u>Designated Use</u> Aquatic Life Suppor	<u>Support</u> t Partial	Causes (Pollutants or stressors)		Sources (Act	<u>ivities)</u>	375	
,		Metals	т				
		Lead	Т				
		Cyanide	s	Industrial Point Sc	ources		М
		Cyanide	S	Source Unknown			Н
Drinking Water Sup	ply Not assessed	DBA					
Fish Consumption	Not supporting	PCBs PCBs	Ин	Source Unknown			н
Primary Contact (Re	ecr) Not supporting	*·		Combined Comme			
4	na Masha J	Pathogens	М				М
	<i>nt Method</i> Fixed station physi	cal/chemical (conventional plus toxic	a politist	Assessme	ent ID	375	
		hysical/chemical (conventional + to)					
	Fish community as		ucantoj				
		Evaluation Index, QHEI; by professi	onal				
SEGMENT T103	The second secon		35 Bar	1.34 miles	303(d) list	Listed 1998	
Location		Disc	harge	HOWARD CO	Assessment I	Date 19991130	
		303d list - Ref 31 3/1/98. Site 23-04 ed. 11/8/99. Source urban and rural		Sampled between	19980814	and 19981022	
<u>Designated Use</u> Aquatic Life Support	<u>Support</u> Fully	Causes (Pollutants or stressors)		Sources (Acti	vities)		
Fish Consumption	Not assessed						
Primary Contact (Re	cr) Not supporting						
		Pathogens	М	Nonpoint source/	unknown origin		М
Assessme				Assessme	nt ID	573	
240	Non-fixed station pl	nysical/chemical (conventional + tex	icants)				

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BASIN Wabash River

WATERBODY **INB071A** WILDCAT CREEK - STAHL/ CANNON GOYER DITCHES 14-digit HUA 05120107010100 SEGMENT T1033 Cannon - Goyer Ditch 3.32 miles 303(d) list No **HOWARD CO** Location Discharge Assessment Date 19991108 Assessment notes Site 23-044 Ref 72. Drain pipes observed, possibly urban 19980814 and 19981022 Sampled between nonpoint - JL McFall 11/8/99. Source urban nonpoint - W Stone 11/30/99. Causes (Pollutants or stressors) Designated Use Support Sources (Activities) Aquatic Life Support Fully Fish Consumption Not assessed Primary Contact (Recr) Not supporting **Pathogens** S Urban Runoff/Storm Sewers S Nonpoint source/ unknown origin Pathogens s Assessment Method Assessment ID 571 240 Non-fixed station physical/chemical (conventional + toxicants) 422 Water column/ E. coli grab samples Wildcat Creek - mainstem 4.17 miles SEGMENT Listed 1996 303(d) list Below Kokomo Reservoir Number 2 to confluence Discharge HOWARD CO Assessment Date 19991108 Location with Cannon - Goyer Ditch. Assessment notes Number 97 on 1998 303d list- Ref 31 3/1/98. Fish Sampled between 19980701 and 19981030 consumption- Ref 35. Site 23-038, 23-039 - Ref 72,73,77. Stream is flow-limited at times - BSS field notes 11/8/99. ALUS revised non supp to full supp 11/30/99. Designated Use Causes (Pollutants or stressors) Support Sources (Activities) Aquatic Life Support Fully Fish Consumption Not supporting **PCBs** H Source Unknown Primary Contact (Recr) **Fully** Assessment Method Assessment ID 575 240 Non-fixed station physical/chemical (conventional + toxicants) 250 Chemical monitoring of sediments 323 Macroinvertebrate community assessment, mIBI family level 376 Qualitative Habitat Evaluation Index, QHEI; by professional 422 Water column/ E. coli grab samples

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BASIN	Wabas	h Rive	r				A STOREGIST	A LONG	8
WATE	RBODY INBO	071B		KOKOMO CREEK - HEAL	DWATERS	25.54	14-digit HUA	051201070101	11
	SEGMENT 00		Finn Ditch an	d other tributaries		8.35 miles	303(d) list	No	
	Location				Discharge	HOWARD CO	Assessment D	ate 19991130	
	Assessment notes			h 23-059A - Ref 72. Str pipe or Run Ditch - Ref 78.		Sampled between		nd 19981022	
	<u>Designated Use</u> Aquatic Life Suppo	ort	<u>Support</u> Fully	Causes (Pollutants or str	ressors)	Sources (Ac			
	Fish Consumption		Not assessed	1					
	Primary Contact (R	Recr)	Partial						
				Pathogens	s	Illicit connection	s/illegal hook-ups/	dry weather flow	ws
				Pathogens	s	Onsite Wastewa	iter Systems (Sep	tic Tanks)	
		O Non-	-fixed station a	Pathogens physical/chemical (convention coli grab samples		Nonpoint source Assessm		576	
	SEGMENT TIO		The second secon	ek - mainstem headwaters		12.04 miles	303(d) list	Listed 1996	
	Location				Discharge	HOWARD CO		ate 19991130	
	Assessment notes	consi Str pi packa	umption - Refipes from Cen	8 303d list - Ref 31 3/1/98. F 35. Site 23-054 through 23- ter - Ref 78. Source illicit co 7 Stone. ALUS updated non	Fish 059A - Ref 72. Innections,	Sampled between	1	and 19981022	
	<u>Designated Use</u> Aquatic Life Suppo	ort	<u>Support</u> Fully	Causes (Pollutants or str	ressors)	Sources (Ad	ctivities)		
	Fish Consumption		Not supportin	g					
				PCBs	н	Industrial Point	Sources		
	Primary Contact (R	lecr)	Partial		_				
				Pathogens	S				
				Pathogens	S		s/illegal hook-ups/	•	
				Pathogens	S		ter Systems (Sep	tic lanks)	
				Pathogens	S	and the second second	/ unknown origin	000	
	Assessme			shuminal/ahaminal /aamunatin		Assessn	ient ID	368	
				ohysical/chemical (conventio coli grab samples	mai + loxicants)	l 3-			
			or coldinity E.						
	LDOD'	071C	Martin Vaum	KOKOMO CREEK - LOW	EK	6.96 miles	14-digit HUA	051201070101	20
	DEGINELITI		Marun - Tour	gman Ditch basin			303(d) list		
	Location	. .			Discharge	HOWARD CO	Assessment D		
	Assessment notes	Str pi	pes from Oak			Sampled between		ind 19981022	
	<u>Designated Use</u> Aquatic Life Suppo	ort	Support Not assessed	<u>Causes (Pollutants or str</u> I	ressors)	Sources (Ac	<u>ctivities)</u>		
	Fish Consumption		Not assessed	I.					
	Primary Contact (R	lecr)	Not supportin	g					
				Pathogens	M	Illicit connection	s/illegal hook-ups/	dry weather flow	NS
	Assessme					Assessn	ient ID	577	
				ditions judged to cause imp					
	240	0 Non-	-fixed station p	hysical/chemical (convention	onal + toxicants)				
			•	coli grab samples	,				

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WATERBODY INBOTTO		KOKOMO CREEK - LOWER			14-digit HUA	051201070101	20
SEGMENT T1026	Kokomo Cree	ek - lower		4.29 miles	303(d) list	Listed 1996	
Location		Dis	charge	HOWARD CO	Assessment Do	te 19991108	
cor	nsumption - Ref	3 303d list - Ref 31 03/01/1998. Fis 35. Site 23-060 through 23-064 - R priority organic is PAHs; pesticide i	ef 72.	Sampled between	19980814 ar	nd 19981022	
<u>Designated Use</u> Aquatic Life Support	Support Not supportin	<u>Causes (Pollutants or stressors)</u> 9	<u>.</u>	Sources (Ac	tivities)	369	
		Pesticides	s	Contaminated Se	diments		н
		Priority organics	s	Contaminated Se	diments		н
		PCBs	н	Industrial Point S	ources		н
		PCBs	н	Contaminated Se	diments		н
Fish Consumption	Not supportin	g	1960200				
		PCBs	н	Industrial Point S	ources		н
		PCBs	H	Contaminated Se	ediments		н
Primary Contact (Recr)	Not supportin	**************************************	A M.				
		Pathogens	М	,			М
		Pathogens	М	Onsite Wastewat		ic Tanks)	М
		Pathogens	М	Nonpoint source/		or altri	М
Assessment I		North all the control of the control of		Assessm	ent ID	369	
		hysical/chemical (conventional + to	oxicants)				
	nemical monitorin						
422 W	ater column/ E. o	coli grab samples					
WATERBODY INB0721 SEGMENT ⁰⁰		wildcat creek - Kitty RUN/ other tributaries	EDWAR	DS DITCH 3.37 miles	, , , , , , , , , , , , , , , , , , , ,	051201070200 No	10
Location		Dis	charge	HOWARD CO	Assessment Do	te 19991130	
Assessment notes Site	e 23-066 - Ref 72	2.		Sampled between	ar	nd	
Designated Use Aquatic Life Support	<u>Support</u> Fully	Causes (Pollutants or stressors)		Sources (Act	<u>tivities)</u>		
Fish Consumption	Not assessed						
Primary Contact (Recr)	Partial						
		Pathogens	S	Nonpoint source/	unknown origin		S
Assessment 1				Assessm	ent ID	578	
	•	hysical/chemical (conventional + to	oxicants)				
422 -W	ater∷column/ E. o	coli grab samples					

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						TO SOUTH SERVICE AND ASSESSMENT		
WATE	ERBODY INBOT		WILDCAT CREEK - KITTY RUN/ ED	OWAR		14-digit HUA	051201070200	10
	SEGMENT T100	8 Wildcat Creel			8.14 miles	303(d) list	Listed 1996	
	Location		Disch	arge	HOWARD CO	Assessment Da	te 19991108	
	1	72. Str pipe from Domuni pt, CSO, urba	nt, 23-067 through 23-069, WC-60 - Fevon Woods - Ref 78. Sources indust n nonpt, super fund site - JL McFall. nic, PAHs - 77. Possible lead cause; seded.		Sampled between	19960101 an	nd 19981231	
	<u>Designated Use</u> Aquatic Life Support	Support Not supporting	Causes (Pollutants or stressors)		Sources (Ac	tivities)	579	
			Priority organics	s	Industrial Point S	Sources		Н
			Priority organics	s	Contaminated Se	ediments		н
			PCBs	н	Industrial Point S	Sources		н
			PCBs	н	Contaminated Se	ediments		Н
	Fish Consumption	Not supporting	Metals Lead Cyanide	T T S				
	· · · · · · · · · · · · · · · · · · ·	. tot oupporun;	PCBs	н	Industrial Point S	Courses		
			PCBs	н.	Contaminated Se			H
	Primary Contact (Re	cr) Not supporting	. 100	.,,	Containinated Se	dinents		
	, E	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Pathogens	s	Combined Sewer	Overflow		s
	Assessmen	nt Method	The state of the s		Assessm	9 LT 1145	579	•
			ditions judged to cause impairment		Assessm	eni ID	515	
			hysical/chemical (conventional + toxic	ants)				
		Chemical monitoring		700,040				
		Water column/ E. c						
WATE	RBODY INBOT	22 00 00 00 00	LITTLE WILDCAT CREEK - EAST A	ND W	EST FORKS	14 31 14 77774 0	54004070000	-
	SEGMENT 00		Creek - east fork	up w	7.21 miles	~ 3/6	051201070200 No	20
	Location		Discha		HOWARD CO	Assessment Dat	te 19991108	
		Site 23-071 through Alto, West Midddlet	23-075 ref 72. Str pipes from Ivy hills on - Ref 78.		Sampled between	19980814 and	d 19981022	
	<u>Designated Use</u> Aquatic Life Support	<i>Support</i> Fully	Causes (Pollutants or stressors)		Sources (Act	tivities)	580	
			Pathogens	s	Package Plants (Small Flows)		s
			Pathogens	S	Combined Sewer	Overflow		s
			Pathogens	s	Illicit connections	/illegal hook-ups/di	ry weather flow	s S
	Fish Consumption	Not assessed						
	Primary Contact (Red	er) Not supporting	ı					
	<u>Assessmen</u>				Assessmo	ent ID	580	
			ysical/chemical (conventional + toxic	ants)				
	400	Mater column / E a	all anala a america					

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422 Water column/ E. coli grab samples

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WATE	ERBODY INB0722 SEGMENT T1009	L Kelly West Ditc	ITTLE WILDCAT CREEK - EAST AND	WEST FORKS 1.83 miles		05120107020020 Listed 1996
	Location	riony west Dite	Discharge		Assessment Da	
		mber 78 on 1998 3	Discharge 303d list - Ref 31 03/01/1998.	Sampled between		nd 19981022
	Designated Use		Causes (Pollutants or stressors)	Sources (Ac		13301022
	Aquatic Life Support	Fully				
	Fish Consumption	Not assessed				
	Primary Contact (Recr)					
	Assessment N	<u>Method</u>		Assessm	ent ID	581
	240 No	on-fixed station phy	sical/chemical (conventional + toxicants)		
		ater column/ E. co	li grab samples		25 P. 25	
	SEGMENT T1035	Unnamed tribut	ary	0.3 miles	303(d) list	No
			CR 600S to confluence Discharge	TIPTON CO	Assessment Da	te 19991108
			age estimated from RF3	Section 1		
			ArcView. Not in RF3.			
	bot		chloride and total dissolved solids were cted - Ref 72. Ditch appears to be in naps.	Sampled between	19980814 ar	nd 19981022
	Designated Use Aquatic Life Support		Causes (Pollutants or stressors)	Sources (Ac	tivities)	582
			Organic enrichment/Low DO	S Package Plants	(Small Flows)	s
			Organic enrichment/Low DO	S Livestock	1.5	s
			Salinity/TDS/chlorides		(Small Flows)	s
			Salinity/TDS/chlorides S			s
			Salinity/TDS/chlorides			S
	Fish Consumption	Not assessed	Salinity/TDS/chlorides S	S Natural Sources		s
	Primary Contact (Recr)					
	, ,		Pathogens S	Package Plants	(Small Flows)	s
			Pathogens S			s
	Assessment N	Method	e, ajšour	Assessm	ent ID	582
	240 No	on-fixed station phy	sical/chemical (conventional + toxicants)		
	422 Wa	ater column/ E. col	i grab samples	柱		
	SEGMENT T1036	Little Wildcat Cr	reek - west fork	7.66 miles	303(d) list	No
	Location		Discharge	HOWARD CO	Assessment Da	te 19991108
	Assessment notes Site	23-076, 23-077 -		Sampled between		nd 19981022
	<u>Designated Use</u> Aquatic Life Support	Support 9	Causes (Pollutants or stressors)	Sources (Ac	tivities)	tavette
	Fish Consumption	Not assessed				
	Primary Contact (Recr)					
	Assessment N	<u> 1ethod</u>		Assessm	ent ID	583
			sical/chemical (conventional + toxicants)		
	422 Wa	ater column/ E. col	i grab samples	_		

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Wabash River BASIN WATERBODY INB0723 **LITTLE WILDCAT CREEK - LOWER** 14-digit HUA 05120107020030 SEGMENT 00 William Vogus Ditch basin 9.75 miles 303(d) list No Discharge HOWARD CO Location Assessment Date 19991108 Assessment notes Site Site 23-082, 23-082A - Ref 72. Sampled between 19980814 and 19981022 Designated Use Support Causes (Pollutants or stressors) Sources (Activities) Aquatic Life Support Fully Fish Consumption Not assessed Primary Contact (Recr) Fully Assessment Method 584 Assessment ID 240 Non-fixed station physical/chemical (conventional + toxicants) 422 Water column/ E. coli grab samples Little Wildcat Creek - mainstem SEGMENT T1010 6.77 miles Listed 1996 303(d) list Location HOWARD CO Assessment Date 19991108 Discharge Assessment notes Number 78 on 1998 303d list - Ref 31 03/01/1998. Site 23-Sampled between 19980814 and 19981022 078, 23-079, 23-083, 23-084 - Ref 72. Str pipes from West Middleton and Alto into Little Wildcat Creek, methods 130, 175 - Ref 78, W Stone. Designated Use Causes (Pollutants or stressors) Support Sources (Activities) Aquatic Life Support Fully Fish Consumption Not assessed Primary Contact (Recr) Not supporting **Pathogens** S Illicit connections/illegal hook-ups/dry weather flows S Assessment Method 377 Assessment ID 130 Land use information and location of sources 175 Occurrence of conditions judged to cause impairment 240 Non-fixed station physical/chemical (conventional + toxicants) 422 Water column/ E. coli grab samples WATERBODY INB0724 WEST HONEY CREEK - WALNUT FORK 05120107020040 14-digit HUA SEGMENT 00 West Honey Creek 6.75 miles 303(d) list Location Discharge HOWARD CO Assessment Date 19991108 Assessment notes Site 23-090 through 23-094 - Ref 72. Sampled between 19980814 and 19981022 Designated Use <u>Support</u> Causes (Pollutants or stressors) Sources (Activities) Aquatic Life Support Fully **Fish Consumption** Not assessed Primary Contact (Recr) Not supporting

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Pathogens

240 Non-fixed station physical/chemical (conventional + toxicants)

422 Water column/ E. coli grab samples

Assessment Method

s

585

Nonpoint source/ unknown origin

Assessment ID

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Wabash River BASIN

Fish Consumption

WATERBODY INB0724 **WEST HONEY CREEK - WALNUT FORK** 14-digit HUA 05120107020040

SEGMENT T1037 Walnut Fork 4.26 miles No 303(d) list Discharge HOWARD CO Location Assessment Date

Assessment notes Sampled between

Designated Use Support Causes (Pollutants or stressors) Sources (Activities) Aquatic Life Support

Not assessed

Primary Contact (Recr) Not assessed

WATERBODY INB0725 WILDCAT CREEK - HONEY CREEK 14-digit HUA 05120107020050

SEGMENT 00 Honey Creek 9.81 miles 303(d) list

HOWARD CO Location Assessment Date 19991130 Discharge

Assessment notes Site 23-086 through 23-089, 23 Sampled between and

Causes (Pollutants or stressors) Designated Use Support Sources (Activities)

Aquatic Life Support Fully

Fish Consumption Not assessed

Primary Contact (Recr)

Assessment Method 586 Assessment ID

240 Non-fixed station physical/chemical (conventional + toxicants)

422 Water column/ E. coli grab samples

Not assessed

SEGMENT T1011 Wildcat Creek - mainstem 3.06 miles Listed 1996 303(d) list

Discharge HOWARD CO Location Assessment Date 19991108 Assessment notes Number 97 on 1998 303d list - Ref 31: 03/01/1998. Fish 19980701 and 19981030

Sampled between consumption - Ref 35. ALUS and FISH source updated from

U/S and D/S stream segments - ref 77; RECR updated ref 72; 11/8/99.

Designated Use 378 Support Causes (Pollutants or stressors) Sources (Activities) Aquatic Life Support Not supporting

PCBs Industrial Point Sources **PCBs** Contaminated Sediments

Fish Consumption Not supporting

PCBs Industrial Point Sources **PCBs** Contaminated Sediments

Primary Contact (Recr)

Assessment Method 378 Assessment ID

191 Physical/chemical data extrapolated from upstream or downstream waterbody

240 Non-fixed station physical/chemical (conventional + toxicants)

422 Water column/ E. coli grab samples

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BASIN		Wabash F	River			9	really adapte		
WATEI	RBODY	INB072	26	WILDCAT CREEK - DEA	RINGER DITCH	- SHANGHAI	14-digit HUA	051201070200	60
	SEGMEN	T 00	Dearinger Dit	ch and other tributaries		13.79 miles	303(d) list	No	
	Location				Discharge	HOWARD CO	Assessment De	ate 19991108	
	Assessment	notes S	ite 169-085 - Ref	72.		Sampled between	19980814 a	nd 19981022	
	<i>Designated</i> Aquatic Life		<i>Support</i> Fully	Causes (Pollutants or s	tressors)	Sources (Ac	<u>ctivities)</u>		
1	Fish Consu	mption	Not assessed						
1	Primary Cor	ntact (Rec	r) Fully						
	4	ssessment	t Method			Assessn	ient ID	587	
		240 1	Non-fixed station p	hysical/chemical (convent	ional + toxicants)				
			Water column/ E.						
	SEGMEN	T T1012	Wildcat Creek	c - mainstem		5.72 miles	303(d) list	Listed 1996	
1	Location				Discharge	HOWARD CO	Assessment De	ate 19991108	
4	Assessment	FI	ISH non supp, RE	303d list - Ref 31; ALUS CR not assess 03/01/1996 Ref 35. Site 23-096, 23-09 8 U/S; 11/8/99.	3; 1998 cycle.	Sampled between	19980701 a	nd 19981030	
-	<i>Designated</i> Aquatic Life	Use	Support Not supporting	Causes (Pollutants or si	tressors)	Sources (Ac	tivities)	379	
	•	• •		PCBs	н	Industrial Point S	Sources		н
				PCBs	н	Contaminated S	ediments		н
				PCBs	н	Source Unknown	1		н
1	Fish Consur	nption	Not supporting	9					
				PCBs	н	Industrial Point S	Sources		H
				PCBs	н				H
	Dalaman . Oan	-tt (D	A 5.46	PCBs	н	Source Unknown	۱.		H
'	Primary Cor	itact (Heci	r) Fully						
	A	ssessment	Method			Assessm	ent ID	379	
				data extrapolated from up:		•			
				hysical/chemical (conventi	ional + toxicants)				
		422 V	Vater column/ E. o	oli grab samples					
WATER		INB072	-	WILDCAT CREEK - PET	ES RUN		14-digit HUA	0512010702007	70
	SEGMEN	T 00	Petes Run an	d other tributaries		11.89 miles	303(d) list	No	
	Location				Discharge	HOWARD CO	Assessment Do		
			ite 23-098 - Ref 72			Sampled between	19980803 a	nd 19981022	
_	Designated Aquatic Life		<u>Support</u> Fully	Causes (Pollutants or si	ressors)	Sources (Ac	<u>tivities)</u>		
F	Fish Consum	nption	Not assessed						
F	Primary Con	tact (Recr) Fully						
	As	sessment	Method			Assessm	ent ID	588	
	-			nysical/chemical (conventi	onal + toxicants)		ent ID	JJ0	
			Vater column/ E. c						

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TERBODY INBO727	WILDCAT CREEK - PETES RU	JN	N/y	14-digit HUA	05120107	020070
SEGMENT T1013	Wildcat - mainstem		1.73 miles	303(d) list	Listed 19	996
Location	de cultura de agrada de la como d	Discharge	HOWARD CO	Assessment D	ate 19991	108
con	nber 97 on 1998 303d list - Ref 31; 03/01/1998. sumption - Ref 35. Site 23-03, 23-099 Ref 72. P tream sediments Ref 76. ALUS causes revised	CBs in	Sampled between	19980803	and 19981	022
Designated Use Aquatic Life Support	<u>Support</u> <u>Causes (Pollutants or stressor</u> Not supporting	rs)	Sources (Ac	tivities)	589	
	PCBs	H	Industrial Point S	ources		н
	PCBs	H	Contaminated Se	ediments		н
	PCBs	н	Source Unknown	ı		н
Fish Consumption	Not supporting					
	PCBs	н	Industrial Point S	ources		н
	PCBs	H	Contaminated Se	ediments		H
Primary Contact (Recr)	Not supporting PCBs Pathogens	H	Source Unknown Nonpoint source/			H S
Assessment M	Total State	Anna Book	Assessm	0	589	852- 4
191 Phy	ysical/chemical data extrapolated from upstream	or downsti	ream waterbody	100	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
240 No	n-fixed station physical/chemical (conventional +	toxicants)	unu kantatan bili bili bili bili bili bili bili bil			
421 Wa	iter column/ five E. coli samples in 30 days					
422 Wa	ter column/ E. coli grab samples					
SEGMENT T1039	Unnamed tributaries	wasanji es	3.26 miles	303(d) list	No	
Location	L	Sischarge	CARROLL CO	Assessment D	ate	
Assessment notes			Sampled between	a	nd	
<u>Designated Use</u> Aquatic Life Support	<u>Support</u> <u>Causes (Pollutants or stressor</u> Not assessed	<u>z)</u>	Sources (Act	<u>ivíties)</u>		
Fish Consumption	Not assessed					
Primary Contact (Recr)	Not assessed					

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WATERBODY INBO727		VILDCAT CREEK - PETES RUI	v mise.		14-digit HUA	051201070200	70
SEGMENT T1040	Wildcat Creek -	mainstem		1.57 miles	303(d) list	Listed 1996	
Location		Di	scharge	CARROLL CO	Assessment l	Date 19991108	
cons	sumption - Ref 35	903d list - Ref 31; 03/01/1998. Fi . Site 23-100 Ref 72. PCBs in Ref 76. ALUS causes revised 11		Sampled between	19980814	and 19981022	
<u>Designated Use</u> Aquatic Life Support	Support Not supporting	Causes (Pollutants or stressors	1	Sources (Act	ivities)	590	
		PCBs	н	Industrial Point S	ources		н
		PCBs	н	Contaminated Se	diments		Н
		PCBs	H.	Source Unknown			н
Fish Consumption	Not supporting						14 17
		PCBs	H	Industrial Point Se	ources		Н
		PCBs	Н	Contaminated Se	diments		н
Primary Contact (Recr)	Fully	PCBs A	Н	Source Unknown			Н
Assessment M	<u>ethod</u>	Montered Montered Special Montered Special Spe	ACCOR. BRIGGS	Assessme	ent ID	590	
191 Phy	sical/chemical da	ta extrapolated from upstream of	or downstr	eam waterbody			
240 Non	n-fixed station phy	sical/chemical (conventional + t	oxicants)				
422 Wat	ter column/ E. col	i grab samples	Re to the		in the second se		
WATERBODY INB0728 SEGMENT 00		/ILDCAT CREEK - HURRICANI EK - HURRICANE CREEK	E CREEK	9.43 miles	14-digit HUA 303(d) list	051201070200 No	80
Location		Dis	charge	HOWARD CO	Assessment I	Date	
Assessment notes				Sampled between		and	
<u>Designated Use</u> Aquatic Life Support	Support (Causes (Pollutants or stressors)		Sources (Act	ivities)		
Fish Consumption	Not assessed						

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WATERBODY INBO	1728	WILDCAT CREEK - HUR	HICANE CHEEK		14-digit HUA	0512010702	0080
SEGMENT E10	14 Wildcat Cre	eek - mainstem		11 miles	303(d) list	Listed 199	5
Location			Discharge	HOWARD CO	Assessment	Date 1999110	8
Assessment notes	consumption - Re	98 303d list - Ref 31; 03/01/1 of 35. Site 23-101 through 23- 01, sediment at 23-103 - Ref vised ;11/8/99.	-104, 169-017,	Sampled between	19960101	and 1998123	1
<u>Designated Use</u> Aquatic Life Suppo	Support ort Not support	<u>Causes (Pollutants or sti</u> ting	ressors)	Sources (Act	<u>ivities)</u>	381	
		PCBs	H	Contaminated Se	diments		н
		PCBs	н	Source Unknown			н
Fish Consumption	Not support	ting					
		PCBs	н	Contaminated Se	diments		н
Primary Contact (R	lecr) Fully	PCBs	A	Source Unknown			н
	ent Method			Assessm	ent ID	381	
240	Non-fixed station	physical/chemical (convention	onal + toxicants)				
		n physical/cnemical (convention uivalent benthos surveys	onal + toxicants)				
322	2 RBP I or II or equ			T T			
323 323	2 RBP I or II or equal 3 Macroinvertebrat	uivalent benthos surveys	nIBI family level				
323 323 370 423	2 RBP I or II or equ 3 Macroinvertebrat 6 Qualitative Habit 2 Water column/ E	uivalent benthos surveys te community assessment, m tat Evaluation Index, QHEI; by E. coli grab samples	nIBI family level y professional	7			
323 323 370 423	2 RBP I or II or equ 3 Macroinvertebrat 6 Qualitative Habit 2 Water column/ E	uivalent benthos surveys te community assessment, m tat Evaluation Index, QHEI; by	nIBI family level y professional	ВІ			
323 323 370 423	2 RBP I or II or eq 3 Macroinvertebrat 6 Qualitative Habit 2 Water column/ E 0 Rotating basin p	uivalent benthos surveys te community assessment, m tat Evaluation Index, QHEI; b coli grab samples robabilistic water chemistry, f WILDCAT CREEK - CUTI	nIBI family level y professional fish IBI, QHEI, m		14-digit HUA 303(d) list	0512010702 No	0090
323 370 422 730 WATERBODY INBO	2 RBP I or II or equal Macroinvertebrat Government Gove	uivalent benthos surveys te community assessment, m tat Evaluation Index, QHEI; b coli grab samples robabilistic water chemistry, f WILDCAT CREEK - CUTI	nIBI family level y professional fish IBI, QHEI, mi	0	and the second	No	
32: 37: 42: 73: WATERBODY INBO SEGMENT 00	2 RBP I or II or equal Macroinvertebrat Qualitative Habit Water column/ E0 Rotating basin por 1729 Unnamed to	uivalent benthos surveys te community assessment, m tat Evaluation Index, QHEI; b coli grab samples robabilistic water chemistry, f WILDCAT CREEK - CUTI	niBI family level y professional fish IBI, QHEI, mi LER TO OWASC Discharge	8.58 miles	303(d) list	No	0
32: 37: 42: 73: WATERBODY INBO SEGMENT 00 Location	2 RBP I or II or equ 3 Macroinvertebrat 6 Qualitative Habit 2 Water column/ E 0 Rotating basin po 0729 Unnamed tr Site 23-105A; RE Support	uivalent benthos surveys te community assessment, m tat Evaluation Index, QHEI; by E. coli grab samples robabilistic water chemistry, f WILDCAT CREEK - CUTI ributaries	niBl family level y professional fish IBI, QHEI, mi LER TO OWASC Discharge	8.58 miles	303(d) list Assessment 19980814	No Date 1999113	0
32: 370 42: 730 WATERBODY INBO SEGMENT 00 Location Assessment notes Designated Use	2 RBP I or II or equ 3 Macroinvertebrat 6 Qualitative Habit 2 Water column/ E 0 Rotating basin po 0729 Unnamed tr Site 23-105A; RE Support	uivalent benthos surveys te community assessment, m tat Evaluation Index, QHEI; b c. coli grab samples robabilistic water chemistry, f WILDCAT CREEK - CUTI ributaries CR not enough data; - ref 72. Causes (Pollutants or sta	niBl family level y professional fish IBI, QHEI, mi LER TO OWASC Discharge	8.58 miles CARROLL CO Sampled between	303(d) list Assessment 19980814	No Date 1999113	0
32: 370 42: 730 VATERBODY INBO SEGMENT 00 Location Assessment notes Designated Use Aquatic Life Suppo	2 RBP I or II or equilibrium in a service de la companya del companya de la companya de la companya del companya de la company	uivalent benthos surveys te community assessment, m tat Evaluation Index, QHEI; b c. coli grab samples robabilistic water chemistry, f WILDCAT CREEK - CUTI ributaries CR not enough data; - ref 72. Causes (Pollutants or sta	niBl family level y professional fish IBI, QHEI, mi LER TO OWASC Discharge	8.58 miles CARROLL CO Sampled between	303(d) list Assessment 19980814	No Date 1999113	0
32: 37: 37: 42: 73: WATERBODY INBO SEGMENT 00 Location Assessment notes Designated Use Aquatic Life Suppo Fish Consumption Primary Contact (R	2 RBP I or II or equition of the second of t	uivalent benthos surveys te community assessment, m tat Evaluation Index, QHEI; b c. coli grab samples robabilistic water chemistry, f WILDCAT CREEK - CUTI ributaries CR not enough data; - ref 72. Causes (Pollutants or sta	niBi family level y professional fish iBi, QHEI, mi LER TO OWASC Discharge ressors)	8.58 miles CARROLL CO Sampled between	303(d) list Assessment 19980814 ivities)	No Date 1999113	0

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BASIN Wabash River

WATERBODY INBOT	29	WILDCAT CREEK - CUTLER T	O OWAS	co	14-digit HUA	0512010702009	0
SEGMENT E1015	Wildcat Creek	- mainstem		8.92 miles	303(d) list	Listed 1996	
Location		<i>D</i>	ischarge	CARROLL CO	Assessment	Date 19991108	
C	consumption - Ref 3	303d list - Ref 31; 03/01/1998. F 5. Site 23-04, 23-105, 23-106; A 3/99. Source - W Stone 11/30/99	LUS	Sampled between	19980803	and 19981022	
<u>Designated Use</u> Aquatic Life Support	Support Not supporting	Causes (Pollutants or stressor	<u>s)</u>	Sources (Ac	tivities)	382	
		PCBs	н	Contaminated Se	ediments		Н
		PCBs	H	Source Unknown	1		н
Fish Consumption	Not supporting	ľ					
		PCBs	н	Contaminated Se	ediments		н
		PCBs	н	Source Unknown)		н
	<i>t Method</i> Non-fixed station ph	Pathogens Pathogens Pysical/chemical (conventional +		Nonpoint source	unknown origin		S
		E. coli samples in 30 days					
422	Water column/ E. c	oli grab samples					
WATERBODY INBO72	2A	WILDCAT CREEK - PYRMONT			14-digit HUA	0512020702010	0
SEGMENT 00	Tributaries of \	Wildcat Creek		16.67 miles	303(d) list	No	
Location		D	ischarge	TIPPECANOE CO	Assessment l	Date 19991130	
\$		23-110 on Wildcat Cr; 0/4 bacte y above single sample maximun	ria	Sampled between	19980814	and 19980814	
Designated Use Aquatic Life Support	<i>Support</i> Fully	Causes (Pollutants or stressor	E)	Sources (Ac	tivities)		
Fish Consumption	Not assessed						
Primary Contact (Rec	r) Fully						
Assessmen				Assessm	ent ID	592	
		ata extrapolated from upstream					
	-	ysical/chemical (conventional +	toxicants)				
422 \	Water column/ E. co	oii grab samples					

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WATE	RBODY INBO	72A	WILDCAT CREEK - PYRMONT	Fr. 1 Harris	W.V	14-digit HUA	05120207020100
	SEGMENT E10	16 Wildcat Creek	- mainstem		15.38 miles	303(d) list	Listed 1996
	Location			Discharge	TIPPECANOE CO	Assessment	Date 19991108
	Assessment notes	consumption - Ref 3	303d list - Ref 31; 03/01/1998. 35. Site 23-107 through 23-110; a sediment; ALUS causes revise	Fish sites 23-	Sampled between	19980814	and 19981022
	<u>Designated Use</u> Aquatic Life Suppor	<u>Support</u> rt Not supporting	Causes (Pollutants or stressor	(2)	Sources (Ac	tivities)	383
			PCBs	N	Contaminated Se	ediments	
			PCBs	N	Source Unknown	1	
	Fish Consumption						
			PCBs	N	Contaminated Se	ediments	
			PCBs	_ N	Source Unknown	ig mentangan	
	Primary Contact (R	ecr) Fully					
		ent Method			Assessm	ent ID	383
			nysical/chemical (conventional +	- toxicants			
		Chemical monitoring Water column/ E. c					
WATE	RBODY INBO	731	MIDDLE FORK WILDCAT CRE	EK - HAR		14-digit HUA	
	SEGMENT 00		ch - Harness Ditch		9.51 miles	303(d) list	No
		Carroll and Howard	Counties. D	discharge	CLINTON CO	Assessment	
	Assessment notes				Sampled between		and
	<u>Designated Use</u> Aquatic Life Suppor	Support Not assessed	Causes (Pollutants or stressor	<u>s)</u>	Sources (Ac	<u>tivities)</u>	
	Fish Consumption	Not assessed					
	Primary Contact (Re	ecr) Not assessed					
	SEGMENT T104	41 Wildcat Creek	, Middle Fork and other tributario	es	10.52 miles	303(d) list	No
	Location		gazan dan perkenjana dan dan d	ischarge	CLINTON CO	Assessment	Date 19991130
	Assessment notes	Site 42-163, 42-164, above std; Ref 72.	43-165; RECR no more than 1/		Sampled between	19980814	and 19981022
	<u>Designated Use</u> Aquatic Life Suppor	<i>Support</i> t Fully	Causes (Pollutants or stressor		Sources (Ac	tivities)	

Fish Consumption Not assessed

Primary Contact (Recr)

Assessment Method Assessment ID 593

240 Non-fixed station physical/chemical (conventional + toxicants)

422 Water column/ E. coli grab samples

Abreviations: ALUS-aquatic life use support. BSS-Biological Studies Section. DELT-deformities, lesions, and tumors. D/S-downstream. FISH-fish consumption use support. HUA-hydrologic unit area. IBI-Index of biotic integrity (fish). LMTD-limited use support. mIBI-Macroinvertebrate index of biotic integrity. QHEI-Qualitative habitat evaluation index. RCRA-Resource Conservation and Recovery Act. RECR-recreational use support. RF3-USEPA Reach File 3. Str pipe-raw sewage discharge pipe. U/S-upstream. UTM-global positioning coordinates. Cause and source rating codes: H-high, M-moderate, S-slight, T-more information needed to decide.

Monday, March 13, 2000

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Wabash River BASIN

WATERBODY

INB0732

tributary

MIDDLE FORK WILDCAT CREEK - ROBERTSON **BRANCH**

14-digit HUA

05120207030020

SEGMENT 00

Wildcat Creek Middle Fork - Robertson Br - unnamed

11.77 miles

303(d) list

Location

Middle Fork Wildcat Creek below Harness ditch to

Discharge CARROLL CO

Assessment Date 19991108

fourth tributary (on left bank U/S of CR 200E), Robertson Ditch, and second unnamed tributary (on left bank with confluence just U/S of CR 300E). Located on RF3 overlay of Raster maps using

ArcView 3.1.

Assessment notes Site 42-166, 42-167 Ref 72.

Sampled between 19980814

and 19981022

Designated Use **Aquatic Life Support** Support

Causes (Pollutants or stressors)

Sources (Activities)

Fully

Fish Consumption

Not assessed

Primary Contact (Recr) Assessment Method

Assessment ID

597

240 Non-fixed station physical/chemical (conventional + toxicants)

422 Water column/ E. coli grab samples

SEGMENT T1042

Wildcat Creek, Middle Fork - mainstem

2.46 miles

303(d) list

Location

Middle Fork Wildcat Creek from fourth tributary (on

Discharge CARROLL CO

Assessment Date 19991130

left bank U/S of CR 200E) to confluence with Robertson Branch. Located on RF3 overlay of

Raster maps using ArcView 3.1.

Sampled between 19980814

Designated Use

Assessment notes Site 42-168 Ref 72. RECR revised - one sample 11/30/99. Support

Causes (Pollutants or stressors)

and 19981022

Aquatic Life Support

Fully

Partial

Sources (Activities)

Fish Consumption

Not assessed

Primary Contact (Recr)

Pathogens

M Nonpoint source/ unknown origin Assessment ID

596

M

Assessment Method

240 Non-fixed station physical/chemical (conventional + toxicants)

422 Water column/ E. coli grab samples

SEGMENT T1043

Scofield Ditch and unnamed tributaries

8.23 miles

No 303(d) list

Location

Scofield Ditch and three unamed tributaries.

Discharge CARROLL CO

Assessment Date

Located on RF3 overlay of Raster maps using ArcView 3.1.

and

Assessment notes Designated Use

Support Causes (Pollutants or stressors) Sampled between

Aquatic Life Support

Not assessed

Sources (Activities)

Fish Consumption

Not assessed

Primary Contact (Recr)

Not assessed

Abreviations: ALUS-aquatic life use support. BSS-Biological Studies Section. DELT-deformities, lesions, and tumors. D/S-downstream. FISH-fish consumption use support. HUA-hydrologic unit area. IBI-Index of biotic integrity (fish). LMTD-limited use support. mIBI-Macroinvertebrate index of biotic integrity. QHEI-Qualitative habitat evaluation index. RCRA-Resource Conservation and Recovery Act. RECR-recreational use support. RF3-USEPA Reach File 3. Str pipe-raw sewage discharge pipe. U/S-upstream. UTM-global positioning coordinates. Cause and source rating codes: H-high, M-moderate, S-slight, T-more information needed to decide.

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RASIN Wabash River

3	MIDDLE FORK WILDCAT	REEK - ROS	SVILLE	14-digit HUA	51202070300	30
Middle Fork V	Villdcat Creek and other tribut	taries	13.01 miles	303(d) list	No	
		Discharge	CLINTON CO	Assessment Da	te 19991108	
	42-172 and 42-174 through	42-175 - Ref	Sampled between	19980814 an	d 19981022	
<u>Support</u> Fully	Causes (Pollutants or stres	ssors)	Sources (Ac	<u>tivities)</u>		
Not assessed						
) Fully						
<u>Method</u>	ethod			Assessment ID		
on-fixed station p	nysical/chemical (convention	al + toxicants)				
Silvenhorn Br	anch downstream of Rossvill	e STP	0.67 miles	303(d) list	No	
		Discharge	CLINTON CO	Assessment Da	te 19990830	
.US - partial supp eet RECR standa	ort 11/8/99. Limited use wate rds. Segment does not suppo	rs must ort RECR;	Sampled between	19980814 an	d 19981022	
Support	Causes (Pollutants or stres	sors)	Sources (Act	tivities)	384	
Not attainable						
	Salinity/TDS/chlorides	S	Municipal Point S	ources		М
Not assessed						
Not supporting						
		M	Municipal Point S	ources		М
	Pathogens	м	Combined Sewer	Overflow		М
Not supporting	9					
	Pathogens	M	Municipal Point S	ources		М
	Pathogens	M	Combined Sewer	Overflow		М
				ent ID	384	
		al + toxicants)				
			1.05 miles	202/4\ E-4 A		
	•			000(11) 1101		
mpbells Run. Dei	ter ditch is a tributary of	Discharge	CLINTON CO	Assessment Dat	te	
			Sampled between	an	d	
Support Not assessed			Sources (Act			
Not assessed						
	Support Fully Not assessed Description of the support of the suppo	te 42-170 through 42-172 and 42-174 through 2. Support Causes (Pollutants or stress Fully Not assessed Pully Method Ion-fixed station physical/chemical (convention Vater column/ E. coli grab samples Silverthorn Branch downstream of Rossville entify as limited use 08/30/1999. Site 42-173- Fully - partial support 11/8/99. Limited use wate eet RECR standards. Segment does not support energore, segement does not support LMTD use Support Causes (Pollutants or stress Not attainable Salinity/TDS/chlorides Not supporting Pathogens Pathogens Pathogens Pathogens Pathogens Unnamed tributary - Deiter Ditch ed tributary on rt bank between Weil ditch ed tributary. Support Causes (Pollutants or stress Not assessed) Causes (Pollutants or stress Causes) Support Causes (Pollutants or stress Causes) Causes (Pollutants or stress Causes) Causes (Pollutants or stress Causes)	te 42-170 through 42-172 and 42-174 through 42-175 - Ref Support Causes (Pollutants or stressors) Fully Not assessed Pully Method Indicated station physical/chemical (conventional + toxicants) Vater column/ E. coli grab samples Silverthorn Branch downstream of Rossville STP Discharge entify as limited use 08/30/1999. Site 42-173- Ref 72; US - partial support 11/8/99. Limited use waters must eet RECR standards. Segment does not support RECR; erefore, segement does not support LMTD use. Support Causes (Pollutants or stressors) Not attainable Salinity/TDS/chlorides Not assessed Not supporting Pathogens Patho	Discharge te 42-170 through 42-172 and 42-174 through 42-175 - Ref Support Causes (Pollutants or stressors) Fully Not assessed Discharge Support Causes (Pollutants or stressors) Fully Method Not assessed Assessm Silverthorn Branch downstream of Rossville STP Discharge Silverthorn Branch downstream of Rossville STP Discharge Silverthorn Branch downstream of Rossville STP Discharge Silverthorn Branch downstream of Rossville STP Discharge Support Causes (Pollutants or stressors) Not attainable Salinity/TDS/chlorides Not assessed Not supporting Pathogens Pathogens Pathogens Municipal Point S Combined Sewer Assessm Method On-fixed station physical/chemical (conventional + toxicants) Assessm Unnamed tributary - Deiter Ditch Discharge Unnamed tributary - Deiter Ditch Support Causes (Pollutants or stressors) Not assessed CLINTON CO Sampled between Support Causes (Pollutants or stressors) Sources (Act Sampled between Support Causes (Pollutants or stressors) Not assessed	Middle Fork Willdcat Creek and other tributaries Discharge Discha	Middle Fork Willdcat Creek and other tributaries Discharge La 42-170 through 42-172 and 42-174 through 42-175 - Ref La 42-170 through 42-172 and 42-174 through 42-175 and 42-174 through 42-175 and 42-174 through 42-175 and 42-174 through 42-175 and 42-175 and 42-174 through 42-175 and

Abreviations: ALUS-aquatic life use support. BSS-Biological Studies Section. DELT-deformities, lesions, and tumors. D/S-downstream. FISH-fish consumption use support. HUA-hydrologic unit area. IBI-Index of biotic integrity (fish). LMTD-limited use support. mIBI-Macroinvertebrate index of biotic integrity. QHEI-Qualitative habitat evaluation index. RCRA-Resource Conservation and Recovery Act. RECR-recreational use support. RF3-USEPA Reach File 3. Str pipe-raw sewage discharge pipe. U/S-upstream. UTM-global positioning coordinates. Cause and source rating codes: H-high, M-moderate, S-slight, T-more information needed to decide.

Monday, March 13, 2000

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RASIN Wabash River

BASIN INB0734 **CAMPBELLS RUN - HEADWATERS** WATERBODY 14-digit HUA 05120207030040 SEGMENT 00 Campbells Run and tributaries 17.27 miles 303(d) list No Discharge CLINTON CO Location Assessment Date 19991108 Assessment notes Site 42-177, 42-178 Ref 72. Sampled between 19980814 and 19981022 Designated Use Support Causes (Pollutants or stressors) Sources (Activities) Aquatic Life Support Fully Fish Consumption Not assessed Primary Contact (Recr) Fully Assessment Method 600 Assessment ID 240 Non-fixed station physical/chemical (conventional + toxicants) 422 Water column/ E. coli grab samples SEGMENT T1045 Campbells Run - mainstem miles 303(d) list Campbells Run from unnamed tributary confluence Location CLINTON CO Assessment Date 19991108 on right bank in SW 1/4 of Section 29. Owen Township, to HUA discharge. Site 42-179, 169-086, 42-180; RECR: 1/3 bacteria samples > Sampled between 19980814 Assessment notes and 19981022 WQS; Ref 72. Designated Use Support Causes (Pollutants or stressors) Sources (Activities) **Aquatic Life Support** Fully Fish Consumption Not assessed Primary Contact (Recr) Partial Pathogens S Nonpoint source/ unknown origin S Assessment Method 601 Assessment ID 240 Non-fixed station physical/chemical (conventional + toxicants) 422 Water column/ E. coli grab samples INB0735 **CAMPBELLS RUN - CRIPE RUN** WATERBODY 14-digit HUA 05120207030050 CAMPBELLS RUN - CRIPE RUN SEGMENT 00 10.72 miles 303(d) list Discharge CLINTON CO Assessment Date 19991108 Assessment notes Site 42-182, 42-183 Ref 72. Sampled between 19980814 and 19981022 Designated Use Support Causes (Pollutants or stressors) Sources (Activities) Aquatic Life Support **Fully** Fish Consumption Not assessed Primary Contact (Recr) Fully

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240 Non-fixed station physical/chemical (conventional + toxicants)

422 Water column/ E. coli grab samples

Assessment Method

603

Assessment ID

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BASIN Wabash River

WATERBODY INBO735		
	CAMPBELLS RUN - CRIPE RUN 14-digit HUA	05120207030050
SEGMENT T1046	Campbells Run - mainstem 303(d) list	No
tributary	ells Run from HUA inlet to first unnamed Discharge CLINTON CO Assessment Date confluence (on left bank) in SE 1/4 of 22, T23N, R2W, N of SR26.	te 19991108
	e 42-181 Ref 72; Rossville lift station malfunction - Sampled between 19980814 arrveys field notes.	nd 19981022
<u>Designated Use</u> Aquatic Life Support	<u>Support</u> <u>Causes (Pollutants or stressors)</u> <u>Sources (Activities)</u> Partial	604
Fish Consumption	Organic enrichment/Low DO S Collection System Failure Not assessed	S,
Primary Contact (Recr)	Partial	
240 No	Pathogens S Collection System Failure Method Courrence of conditions judged to cause impairment on-fixed station physical/chemical (conventional + toxicants) ater column/ E. coli grab samples	604 S
WATERBODY INBO736	AUDU E FORMUL DO LE CONTROL DE LA CONTROL DE	05120207030060
SEGMENT 00		No
Location	Discharge TIPPECANOE CO Assessment Da	
Assessment notes Site Designated Use	9 42-184 through 42-186, WCM-7 - Ref 72. Sampled between 19980301 an	nd 19981231
Aquatic Life Support	Support Causes (Pollutants or stressors) Sources (Activities) Fully	
Fish Consumption	Not assessed	
Primary Contact (Recr)	Fully	
<u>Assessment A</u> 230 Fb 240 No	•	605
<u>Assessment A</u> 230 Fix 240 No 422 Wa	Assessment ID red station physical/chemical (conventional plus toxic pollutants) refixed station physical/chemical (conventional + toxicants) atter column/ E. coli grab samples	605
<u>Assessment A</u> 230 Fix 240 No 422 Wa	Method Assessment ID red station physical/chemical (conventional plus toxic pollutants) ph-fixed station physical/chemical (conventional + toxicants) atter column/ E. coli grab samples MIDDLE FORK WILDCAT CREEK - PETTIT 14-digit HUA	
Assessment A 230 Fix 240 No 422 Wa WATERBODY INBO737	Method Assessment ID Assessmen	05120207030070 No
### Assessment A 230 Fib 240 No 422 WaterBody INB0737 SEGMENT 00 Location Assessment notes Site	Method Red station physical/chemical (conventional plus toxic pollutants) Assessment ID Red station physical/chemical (conventional + toxicants) ater column/ E. coli grab samples MIDDLE FORK WILDCAT CREEK - PETTIT MIDDLE FORK WILDCAT CREEK - PETTIT Discharge TIPPECANOE CO Assessment Date 242-187, 42-188, 42-01 Ref 72. Sampled between 19980803 and	05120207030070 No te 19991108
Assessment A 230 Fib 240 No 422 Wa WATERBODY INB0737 SEGMENT 00 Location	Method Red station physical/chemical (conventional plus toxic pollutants) Assessment ID Red station physical/chemical (conventional + toxicants) ater column/ E. coli grab samples MIDDLE FORK WILDCAT CREEK - PETTIT MIDDLE FORK WILDCAT CREEK - PETTIT MIDDLE FORK WILDCAT CREEK - PETTIT Discharge TIPPECANOE CO Assessment Date 10.100, 10.015 p. 1750	05120207030070 No te 19991108
Assessment A 230 Fix 240 No 240 No 422 WaterBody INB0737 SEGMENT 00 Location Assessment notes Site Designated Use	Method Red station physical/chemical (conventional plus toxic pollutants) Assessment ID Red station physical/chemical (conventional + toxicants) ater column/ E. coli grab samples MIDDLE FORK WILDCAT CREEK - PETTIT MIDDLE FORK WILDCAT CREEK - PETTIT Discharge TIPPECANOE CO Assessment Date 42-187, 42-188, 42-01 Ref 72. Sampled between 19980803 and Support Causes (Pollutants or stressors) Sources (Activities)	05120207030070 No te 19991108
Assessment A 230 Fix 240 No 242 Wa WATERBODY INBO737 SEGMENT OO Location Assessment notes Site Designated Use Aquatic Life Support	Method ked station physical/chemical (conventional plus toxic pollutants) physical/chemical (conventional + toxicants) atter column/ E. coli grab samples MIDDLE FORK WILDCAT CREEK - PETTIT MIDDLE FORK WILDCAT CREEK - PETTIT MIDDLE FORK WILDCAT CREEK - PETTIT 13.22 miles 303(d) list Discharge TIPPECANOE CO Assessment Date 42-187, 42-188, 42-01 Ref 72. Support Causes (Pollutants or stressors) Fully Not assessed Not supporting	05120207030070 No te 19991108
Assessment A 230 Fix 240 No 422 Wa WATERBODY INBO737 SEGMENT 00 Location Assessment notes Site Designated Use Aquatic Life Support Fish Consumption Primary Contact (Recr)	Method Red station physical/chemical (conventional plus toxic pollutants) Assessment ID Red station physical/chemical (conventional + toxicants) ater column/ E. coli grab samples MIDDLE FORK WILDCAT CREEK - PETTIT MIDDLE FORK WILDCAT CREEK - PETTIT MIDDLE FORK WILDCAT CREEK - PETTIT Discharge TIPPECANOE CO Assessment Date 42-187, 42-188, 42-01 Ref 72. Sampled between 19980803 and Support Causes (Pollutants or stressors) Fully Not assessed Not supporting Pathogens S Nonpoint source/ unknown origin	05120207030070 No te 19991108 dd 19981022
Assessment A 230 Fix 240 No 422 Wa WATERBODY INBO737 SEGMENT OO Location Assessment notes Site Designated Use Aquatic Life Support Fish Consumption Primary Contact (Recr)	Method ked station physical/chemical (conventional plus toxic pollutants) physical/chemical (conventional + toxicants) atter column/ E. coli grab samples MIDDLE FORK WILDCAT CREEK - PETTIT MIDDLE FORK WILDCAT CREEK - PETTIT MIDDLE FORK WILDCAT CREEK - PETTIT Discharge TIPPECANOE CO Assessment Date 42-187, 42-188, 42-01 Ref 72. Support Causes (Pollutants or stressors) Fully Not assessed Not supporting Pathogens S Nonpoint source/ unknown origin Assessment ID	05120207030070 No te 19991108 dd 19981022
Assessment A 230 Fix 240 No 422 Wa WATERBODY INBO737 SEGMENT 00 Location Assessment notes Site Designated Use Aquatic Life Support Fish Consumption Primary Contact (Recr) Assessment A 240 No	Method Red station physical/chemical (conventional plus toxic pollutants) Assessment ID Red station physical/chemical (conventional + toxicants) ater column/ E. coli grab samples MIDDLE FORK WILDCAT CREEK - PETTIT MIDDLE FORK WILDCAT CREEK - PETTIT MIDDLE FORK WILDCAT CREEK - PETTIT Discharge TIPPECANOE CO Assessment Date of 42-187, 42-188, 42-01 Ref 72. Sampled between 19980803 and Support Fully Not assessed Not supporting Pathogens S Nonpoint source/ unknown origin	05120207030070 No te 19991108 dd 19981022

Abreviations: ALUS-aquatic life use support. BSS-Biological Studies Section. DELT-deformities, lesions, and tumors. D/S-downstream. FISH-fish consumption use support. HUA-hydrologic unit area. IBI-Index of biotic integrity (fish). LMTD-limited use support. mIBI-Macroinvertebrate index of biotic integrity. QHEI-Qualitative habitat evaluation index. RCRA-Resource Conservation and Recovery Act. RECR-recreational use support. RF3-USEPA Reach File 3. Str pipe-raw sewage discharge pipe. U/S-upstream. UTM-global positioning coordinates. Cause and source rating codes: H-high, M-moderate, S-slight, T-more information needed to decide.

Monday, March 13, 2000

rptWBAssessment_wildcat

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BASIN Wabash River

INB0741 WATERBODY SOUTH FORK WILDCAT CREEK - TALBERT DITCH 14-digit HUA 05120107040010 SOUTH FORK WILDCAT CREEK - TALBERT DITCH SEGMENT 00 9.69 miles 303(d) list No Location Discharge CLINTON CO Assessment Date Assessment notes Sampled between Designated Use Support Causes (Pollutants or stressors) Sources (Activities) Aquatic Life Support Not assessed **Fish Consumption** Not assessed Primary Contact (Recr) Not assessed SEGMENT T1017 South Fork Wildcat Creek - mainstem 4.94 miles 303(d) list Listed 1992 Location Discharge CLINTON CO Assessment Date 19991108 Assessment notes Number 84 on 1998 303d list - Ref 31; 03/01/1998. ALUS revised; cyanide was from downstream of Prairie Creek at WCS-34; does not apply to this HUA - JL McFall 11/8/99 Sampled between and Designated Use Causes (Pollutants or stressors) Support Sources (Activities) **Aquatic Life Support** Not assessed **Fish Consumption** Not assessed Primary Contact (Recr) Not assessed WATERBODY INB0742 SOUTH FORK WILDCAT CREEK - MICHIGANTOWN 14-digit HUA 05120107040020 Jenkins Ditch SEGMENT 00 2 15 miles 303(d) list No Discharge CLINTON CO Location Assessment Date Assessment notes Sampled between and Designated Use Support Causes (Pollutants or stressors) Sources (Activities) **Aquatic Life Support** Fully Fish Consumption Not assessed

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Abreviations: ALUS-aquatic life use support. BSS-Biological Studies Section. DELT-deformities, lesions, and tumors. D/S-downstream. FISH-fish consumption use support. HUA-hydrologic unit area. IBI-Index of biotic integrity (fish). LMTD-limited use support. mIBI-Macroinvertebrate index of biotic integrity. QHEI-Qualitative habitat evaluation index. RCRA-Resource Conservation and Recovery Act. RECR-recreational use support. RF3-USEPA Reach File 3. Str pipe-raw sewage discharge pipe. U/S-upstream. UTM-global positioning coordinates. Cause and source rating codes: H-high, M-moderate, S-slight, T-more information needed to decide.

Primary Contact (Recr)

Fully

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Wabash River BASIN INB0742 **SOUTH FORK WILDCAT CREEK - MICHIGANTOWN** WATERBODY 14-digit HUA 05120107040020 SEGMENT T1018 South fork Wildcat Creek - mainstem 9.28 miles 303(d) list Listed 1992 Discharge CLINTON CO Assessment Date 19991108 Location Number 84 on 1998 303d list - Ref 31: 3/1/98. Site 23-113 19980701 and 19981030 Assessment notes Sampled between through 23-116; 23-116 with sediment - Ref 72; ALUS revised; cyanide is from Prairie Creek downstream, not here; 11/8/99. Causes (Pollutants or stressors) Designated Use Sources (Activities) <u>Support</u> **Aquatic Life Support Fully Fish Consumption** Not assessed Fully Primary Contact (Recr) Assessment ID 386 Assessment Method 240 Non-fixed station physical/chemical (conventional + toxicants) 250 Chemical monitoring of sediments 422 Water column/ E. coli grab samples SEGMENT T1047 Unnamed tributary basin 4.47 miles 303(d) list No Discharge CLINTON CO Assessment Date 19991108 Location Site 169-047 - Ref 72, 73; DELTs: tumors noted - BSS field 19980701 and 19981030 Assessment notes Sampled between notes. 607 Designated Use Sources (Activities) Support Causes (Pollutants or stressors) **Aquatic Life Support** Not supporting Biotic community status H Nonpoint source/ unknown origin н Fish Consumption Not assessed **Primary Contact (Recr)** Not assessed 607 Assessment Method Assessment ID 240 Non-fixed station physical/chemical (conventional + toxicants) 332 Fish community assessment, IBI 376 Qualitative Habitat Evaluation Index, QHEI; by professional 422 Water column/ E. coli grab samples PRAIRIE CREEK (CLINTON) WATERBODY 05120107040030 14-digit HUA PRAIRIE CREEK (CLINTON) 21.14 miles SEGMENT 00 303(d) list Discharge CLINTON CO Assessment Date 19991108 Location Site 23-117 through 23-126; no site 23-118; sediment at site 11980701 and 19981030 Assessment notes Sampled between 23-126 - Ref 72. RECR: 2/9 not substantially above standard - Ref 44. Designated Use Support Causes (Pollutants or stressors) Sources (Activities) **Aquatic Life Support** Fully Fish Consumption Not assessed Primary Contact (Recr) Fully 608 Assessment Method Assessment ID

Abreviations: ALUS-aquatic life use support. BSS-Biological Studies Section. DELT-deformities, lesions, and tumors. D/S-downstream. FISH-fish consumption use support. HUA-hydrologic unit area. IBI-Index of biotic integrity (fish). LMTD-limited use support. mIBI-Macroinvertebrate index of biotic integrity. QHEI-Qualitative habitat evaluation index. RCRA-Resource Conservation and Recovery Act. RECR-recreational use support. RF3-USEPA Reach File 3. Str pipe-raw sewage discharge pipe. U/S-upstream. UTM-global positioning coordinates. Cause and source rating codes: H-high, M-moderate, S-slight, T-more information needed to decide.

240 Non-fixed station physical/chemical (conventional + toxicants)

Monday, March 13, 2000

rptWBAssessment wildcat

250 Chemical monitoring of sediments422 Water column/ E. coli grab samples

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BASII	V	wabasn	River	_					
WAT	ERBODY INB0744 SEGMENT T1019 Location			SOUTH FORK WILDCAT CREEK - BLIN South Fork Wildcat Creek - mainstem		N DITCH 8.57 miles	14-digit HUA 05120107040040 303(d) list Listed 1992		ю
					Dist		2 2 2 (2) 1122		
	Assessment		through 23-13	Discharge nber 84 on 1998 303d list - Ref 31; 3/1/98. Site 23-127 sugh 23-135, WCS-34, 23-06; sediment at 23-127 and 23 Ref 72; 11/8/99.		Sampled between		Date 19991108 and 19981231	
	<u>Designated</u> Aquatic Life		Suppo Not sup		ressors)	Sources (Ac	tivities)	387	
				Cyanide	s	Nonpoint source/	unknown origin		s
	Fish Ossess			Cyanide	s	Source Unknown			s
	Fish Consur	nption	Not ass	essed					
	Primary Cor	ntact (Re	cr) Not sup	. •					
	-4	230 240	Non-fixed sta	Pathogens physical/chemical (conventional tion physical/chemical (conventional tion physical/chemical (conventional tion physical/chemical (conventional tion))	plus toxic pollut			387	S
				nitoring of sediments n/ five E. coli samples in 30 days					
				n/ E. coli grab samples	•				
WATI	ERBODY	INB07		KILMORE CREEK - SHAI	NTY CREEK	23 1970 C COV TO	14-digit HUA	0512010704005	
	SEGMEN	T 00	KILMOF	RE CREEK - Shanty Creek	···· onle	11.48 miles	303(d) list	No	U
	Location				Discharge	CLINTON CO	Assessment D	ate 19991108	
	Assessment	notes	Site 23-137 - I	Ref 72.		Sampled between		and 19981022	
	<u>Designated Use</u> <u>Support</u> <u>Causes (Pollutants or stressors)</u> Aquatic Life Support Fully			Sources (Act	ivities)				
	Fish Consun	nption	Not asse	essed					
	Primary Con	tact (Re	cr) Fully						
			Non-fixed sta	tion physical/chemical (convention) 1/ E. coli grab samples	onal + toxicants)	Assessm	ent ID	609	
WATE	ERBODY	INB07	46	SWAMP CREEK			14-digit HUA	0512010704006	0
	SEGMENT	r 00	SWAMP	CREEK		14.12 miles	303(d) list	No	
. Latina	Location				Discharge	CLINTON CO	Assessment D	ate 19991130	
	Assessment		Site 23-136 - F			Sampled between	19980814 a	nd 19981022	
	Designated Aquatic Life		<i>Suppor</i> Fully	t Causes (Pollutants or str	ressors)	Sources (Act	<u>ivities)</u>		
	Fish Consum	nption	Not asse	essed					
	Primary Con	tact (Red	cr) Fully						
	Assessment Method			Assessment ID 610		610			
		 240 Non-fixed station physical/chemical (conventional + toxicants) 422 Water column/ E. coli grab samples 							
		400	Matar!	JE and made mathematical in traditions in					

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Wabash River BASIN

INB0747 **KILMORE CREEK - STUMP DITCH** WATERBODY 14-digit HUA 05120107040070

Discharge

SEGMENT 00 KILMORE CREEK - STUMP DITCH 11.67 miles 303(d) list No

Location

CLINTON CO

Assessment Date 19991108

Assessment notes Site 23-138 and 23-140 - Ref 72.

Sampled between 19980814

Designated Use

Support

and 19981022

Fully

Causes (Pollutants or stressors)

Sources (Activities)

Aquatic Life Support

Fish Consumption

Not assessed

Primary Contact (Recr)

Fully

Assessment Method

Assessment ID

240 Non-fixed station physical/chemical (conventional + toxicants)

422 Water column/ E. coli grab samples

WATERBODY INB0748

Location

KILMORE CREEK - SR 29 TO KILMORE

14-digit HUA 05120107040080

SEGMENT 00

KILMORE CREEK - SR 29 TO KILMORE

CLINTON CO Discharge

No Assessment Date 19991108

Assessment notes Site 23-142 - Ref 72.

Sampled between 19980814

7.18 miles

and 19981022

303(d) list

Designated Use

Fully

Causes (Pollutants or stressors) Support

Sources (Activities)

Aquatic Life Support

Fish Consumption Not assessed

Primary Contact (Recr) Fully

Assessment Method

Assessment ID

612

240 Non-fixed station physical/chemical (conventional + toxicants)

422 Water column/ E. coli grab samples

INB0749 WATERBODY

KILMORE CREEK - BOYLES DITCH

14-digit HUA

05120107040090

SEGMENT 00 Location

KILMORE CREEK - BOYLES DITCH

14.37 miles

303(d) list

Assessment notes Site 23-143, 23-05 - Ref 72.

Discharge CLINTON CO

Assessment Date 19991108 and 19981022

Causes (Pollutants or stressors)

Sampled between 19980803

Designated Use Support Aquatic Life Support

Sources (Activities)

Fish Consumption

Fully

Not assessed

Primary Contact (Recr) Not supporting

Pathogens

S Nonpoint source/ unknown origin Assessment ID

Assessment Method

240 Non-fixed station physical/chemical (conventional + toxicants)

421 Water column/ five E. coli samples in 30 days

422 Water column/ E. coli grab samples

Abreviations: ALUS-aquatic life use support. BSS-Biological Studies Section. DELT-deformities, lesions, and tumors. D/S-downstream. FISH-fish consumption use support. HUA-hydrologic unit area. IBI-Index of biotic integrity (fish). LMTD-limited use support. mIBI-Macroinvertebrate index of biotic integrity. QHEI-Qualitative habitat evaluation index. RCRA-Resource Conservation and Recovery Act. RECR-recreational use support. RF3-USEPA Reach File 3. Str pipe-raw sewage discharge pipe. U/S-upstream. UTM-global positioning coordinates. Cause and source rating codes: H-high, M-moderate, S-slight, T-more information needed to decide.

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Wabash River BASIN INB074A WATERBODY SOUTH FORK WILDCAT CREEK - SPRING CREEK -14-digit HUA 05120107040100 LICK RUN SEGMENT 00 Spring Creek - Lick Run 12.48 miles 303(d) list Nο Includes Heavilon Ditch D/S of CR 450W. Discharge CLINTON CO Location Assessment Date 19991130 Assessment notes Site 23-145, 23-146, 23-14A, 23-148, 23-149 - Ref 72; Sampled between 19980814 and 19981022 980821101 on Spring Creek - Ref 74; 11/8/99. Designated Use Support Causes (Pollutants or stressors) Sources (Activities) **Aquatic Life Support** Fully Fish Consumption Not assessed Primary Contact (Recr) Fully Assessment Method 614 240 Non-fixed station physical/chemical (conventional + toxicants) 323 Macroinvertebrate community assessment, mIBI family level-422 Water column/ E. coli grab samples SEGMENT T1020 South Fork Wildcat Creek - mainstem 1.04 miles 303(d) list Listed 1992 Location Discharge CLINTON CO Assessment Date 19991130 Assessment notes Number 84 on 1998 303d list - Ref 31: 03/01/1998. Site 23-19980803 and 19981022 Sampled between 135 U/S, 23-150 D/S - Ref 72. ALUS updated; cyanide impairment is upstream; 11/8/99. Designated Use Support Causes (Pollutants or stressors) Sources (Activities) Aquatic Life Support Fully Fish Consumption Not assessed Primary Contact (Recr) Not supporting **Pathogens** Nonpoint source/ unknown origin S **Assessment Method** Assessment ID 388 191 Physical/chemical data extrapolated from upstream or downstream waterbody 240 Non-fixed station physical/chemical (conventional + toxicants) 421 Water column/ five E. coli samples in 30 days 422 Water column/ E. coli grab samples A 100 YO SEGMENT T1048 Heavilon Ditch - headwater **3.14 miles** 303(d) list No Heavilon Ditch U/S of CR 450W, in Section 1. Location Discharge CLINTON CO Assessment Date 19991130 approximately 0.9 miles north of Jefferson. Assessment notes Site 23-147 - Ref 72; 11/8/99. Str pipe from Jefferson - W Sampled between 19980814 and 19981022 Stone 11/30/99. Designated Use Causes (Pollutants or stressors) Support 615 Sources (Activities) **Aquatic Life Support** Not supporting Unionized Ammonia M Illicit connections/illegal hook-ups/dry weather flows M Organic enrichment/Low DO Illicit connections/illegal hook-ups/dry weather flows M Fish Consumption Not assessed Primary Contact (Recr) **Pathogens** Illicit connections/illegal hook-ups/dry weather flows M Assessment Method 615 Assessment ID 175 Occurrence of conditions judged to cause impairment 240 Non-fixed station physical/chemical (conventional + toxicants)

Abreviations: ALUS-aquatic life use support. BSS-Biological Studies Section. DELT-deformities, lesions, and tumors. D/S-downstream. FISH-fish consumption use support. HUA-hydrologic unit area. IBI-Index of biotic integrity (fish). LMTD-limited use support. mIBI-Macroinvertebrate index of biotic integrity. QHEI-Qualitative habitat evaluation index. RCRA-Resource Conservation and Recovery Act. RECR-recreational use support. RF3-USEPA Reach File 3. Str pipe-raw sewage discharge pipe. U/S-upstream. UTM-global positioning coordinates. Cause and source rating codes: H-high, M-moderate, S-slight, T-more information needed to decide.

422 Water column/ E. coli grab samples

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Wabash River BASIN

INB074B WATERBODY

SOUTH FORK WILDCAT CREEK - MULBERRY

05120107040110 14-digit HUA

SEGMENT 00

Unnamed tributaries near Mulberry

4.6 miles

303(d) list No

Location

Three tributaries below tributary confluence with

Discharge TIPPECANOE CO Assessment Date

South Fork Wildcat Creek about 1/4 mile U/S of CR 9B East in NW 1/4 of NW 1/4 of Section 25, Seffield

Twp, Tippecanoe County.

Sampled between

and

Assessment notes Designated Use Aquatic Life Support

Support

Causes (Pollutants or stressors)

Sources (Activities)

Not assessed

Fish Consumption

Not assessed

Primary Contact (Recr)

Not assessed

SEGMENT T1021

South Fork Wildcat Creek - mainstem

9.84 miles TIPPECANOE CO 303(d) list Listed 1992

Location

Discharge Assessment notes Number 84 on 1998 303d list - Ref 31; 3/1/98. Site 23-150 to 23-152; ALUS revised NS to SUPP; Cause cyanide less than

19980814 Sampled between

Assessment Date 19991108 and 19981022

WQS - Ref 72; 11/8/99.

Designated Use

Support

Causes (Pollutants or stressors)

Sources (Activities)

Aquatic Life Support

Fully

Fish Consumption

Not assessed

Primary Contact (Recr)

Assessment Method

Assessment ID

389

and 19981022

240 Non-fixed station physical/chemical (conventional + toxicants)

422 Water column/ E. coli grab samples

T1049 Unnamed tributaries - upper reaches SEGMENT

5.89 miles

303(d) list

Location

Four tributaries above and including tributary confluence with South Fork Wildcat Creek about 1/4 mile U/S of CR 9B East in NW 1/4 of NW 1/4 of

Discharge CLINTON CO

Assessment Date 19991108

Section 25, Seffield Twp, Tippecanoe County. Assessment notes Site 23-150 to 23-152 on SF Wildcat Creek - Ref 72.

Sampled between 19980814

Designated Use **Aquatic Life Support**

Fully

Causes (Pollutants or stressors)

Sources (Activities)

Fish Consumption

Not assessed

Primary Contact (Recr) **Fully**

Assessment Method

Assessment ID

616

191 Physical/chemical data extrapolated from upstream or downstream waterbody

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BASIN Wabash River

WATERBODY INB074C LAURAMIE CREEK 14-digit HUA 05120107040120

SEGMENT 00 LAURAMIE CREEK 18.08 miles 303(d) list No

 Location
 Discharge
 TIPPECANOE CO
 Assessment Date
 19991108

 Assessment notes
 Site 23-154 to 23-157 - Ref 72.
 Sampled between
 19980814
 and
 19981022

Designated Use Support Causes (Pollutants or stressors) Sources (Activities)

Aquatic Life Support Fully

Fish Consumption Not assessed

Primary Contact (Recr) Not supporting

Pathogens M Nonpoint source/ unknown origin

Assessment Method Assessment ID

240 Non-fixed station physical/chemical (conventional + toxicants)

422 Water column/ E. coli grab samples

WATERBODY INBO74D SOUTH FORK WILDCAT CREEK DAYTON 14-digit HUA 05120107040130

SEGMENT 00 Tributaries of SF Wildcat Creek near Dayton 12.77 miles 303(d) list No

Location Discharge TIPPECANOE CO Assessment Date

Assessment notes Sampled between and

Designated Use Support Causes (Pollutants or stressors) Sources (Activities)

Aquatic Life Support Not assessed

Fish Consumption Not assessed

Primary Contact (Recr) Not assessed

SEGMENT E1022 South Fork Wildcat Creek - mainstem 6.45 miles 303(d) list No

Location Outstanding state resource beginning in N1/2 of Discharge TIPPECANOE CO Assessment Date 19991108

NW1/4 of Section 10; approximately 0.74 miles downstream of unnamed tributary on right to HUA

outlet. Approximate UTMs 521,495.82 4,469,044.83

Assessment notes Number 84 on 1998 303d list - Ref 31; 03/01/1998. Site 23- Sampled between 19980803 and 19981022

160, 169-056, 23-07 - Ref 72, 73, 74. 11/8/99.

Designated Use Support Causes (Pollutants or stressors) Sources (Activities)

Aquatic Life Support Fully

Primary Contact (Recr) Not supporting
Pathogens S Nonpoint source/ unknown origin S

Assessment Method Assessment ID 393

240 Non-fixed station physical/chemical (conventional + toxicants)

323 Macroinvertebrate community assessment, mIBI family level

332 Fish community assessment, IBI

Not assessed

376 Qualitative Habitat Evaluation Index, QHEI; by professional

421 Water column/ five E. coli samples in 30 days

422 Water column/ E. coli grab samples

730 Rotating basin probabilistic water chemistry, fish IBI, QHEI, mIBI

Abreviations: ALUS-aquatic life use support. BSS-Biological Studies Section. DELT-deformities, lesions, and tumors. D/S-downstream. FISH-fish consumption use support. HUA-hydrologic unit area. IBI-index of biotic integrity (fish). LMTD-limited use support. mIBI-Macroinvertebrate index of biotic integrity. QHEI-Qualitative habitat evaluation index. RCRA-Resource Conservation and Recovery Act. RECR-recreational use support. RF3-USEPA Reach File 3. Str pipe-raw sewage discharge pipe. U/S-upstream. UTM-global positioning coordinates. Cause and source rating codes: H-high, M-moderate, S-slight, T-more information needed to decide.

Monday, March 13, 2000 rptWBAssessment_wildcat

Fish Consumption

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Wabash River

Fish Consumption

Primary Contact (Recr)

Fish Consumption

Primary Contact (Recr)

WATERBODY INB074D SOUTH FORK WILDCAT CREEK - DAYTON 05120107040130 14-digit HUA

South Fork Wildcat Creek - mainstem SEGMENT T1029 3.35 miles 303(d) list

Discharge TIPPECANOE CO Assessment Date 19991108 Number 84 on 1998 303d list - Ref 31; 03/01/1998. Site 23-

Assessment notes Sampled between 19980814 and 19981022 158, 23-159, - Ref 72, 11/8/99.

Designated Use Support Causes (Pollutants or stressors)

Not assessed

Not assessed

Not assessed

Fully

Sources (Activities) **Aquatic Life Support** Fully

Primary Contact (Recr) Fully

394 Assessment Method Assessment ID 240 Non-fixed station physical/chemical (conventional + toxicants)

422 Water column/ E. coli grab samples SEGMENT T1050 Unnamed tributary basin 9.94 miles

303(d) list

TIPPECANOE CO Assessment Date 19991108 Location Discharge Assessment notes Site 169-066 - Ref 72, 73, 74. and 19981022

Sampled between 19980814

Designated Use Support Causes (Pollutants or stressors) 618 Sources (Activities) Aquatic Life Support

Not supporting Biotic community status Nonpoint source/ unknown origin

Fish Consumption Not assessed

Assessment Method Assessment ID 618 240 Non-fixed station physical/chemical (conventional + toxicants)

323 Macroinvertebrate community assessment, mIBI family level

332 Fish community assessment, IBI

376 Qualitative Habitat Evaluation Index, QHEI; by professional

730 Rotating basin probabilistic water chemistry, fish IBI, QHEI, mIBI

INB074E SOUTH FORK WILDCAT CREEK - CARY CAMP WATERBODY 14-digit HUA 05120107040140

SOUTH FORK WILDCAT CREEK - CARY CAMP SEGMENT 00 1.47 miles 303(d) list Location

Discharge TIPPECANOE CO Assessment Date 19991108 Assessment notes Site 23-162 - Ref 72. Sampled between 19980814 and 19981022

Designated Use Support Causes (Pollutants or stressors) Sources (Activities)

Aquatic Life Support Fully

Assessment Method 191 Physical/chemical data extrapolated from upstream or downstream waterbody

Abreviations: ALUS-aquatic life use support. BSS-Biological Studies Section. DELT-deformities, lesions, and tumors. D/S-downstream. FISH-fish consumption use support. HUA-hydrologic unit area. IBI-Index of biotic integrity (fish). LMTD-limited use support. mIBI-Macroinvertebrate index of biotic Integrity. QHEI-Qualitative habitat evaluation index. RCRA-Resource Conservation and Recovery Act. RECR-recreational use support. RF3-USEPA Reach File 3. Str pipe-raw sewage discharge pipe. U/S-upstream. UTM-global positioning coordinates. Cause and source rating codes: H-high, M-moderate, S-slight, T-more information needed to decide.

619

Assessment ID

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Wahash River BASIN

WATERBODY INB074E **SOUTH FORK WILDCAT CREEK - CARY CAMP** 14-digit HUA 05120107040140

SEGMENT E1023 South Fork Wildcat Creek - mainstem

3.76 miles 303(d) list

Location Assessment notes Number 84 on 1998 303d list - Ref 31; 03/01/1998. Cyanide

Discharge TIPPECANOE CO Assessment Date 19991108

results meet standard 11/8/99.

Sampled between 19980814 and 19981022

Designated Use

Support

Causes (Pollutants or stressors)

Sources (Activities)

Aquatic Life Support

Fully

Fish Consumption

Not assessed

Primary Contact (Recr)

Assessment Method

Assessment ID

392

240 Non-fixed station physical/chemical (conventional + toxicants)

422 Water column/ E. coli grab samples

WATERBODY INB0751

Location

WILDCAT CREEK - DRY RUN

10.31 miles

14-digit HUA 05120107050010

SEGMENT 00

Dry Run and other tributaries

TIPPECANOE CO Assessment Date Discharge

303(d) list No

Assessment notes

Sampled between

Designated Use

Support Causes (Pollutants or stressors)

Sources (Activities)

Aquatic Life Support

Not assessed

Fish Consumption

Not assessed

Primary Contact (Recr)

Not assessed

SEGMENT E1024 Wildcat Creek - mainstem - OSRW 2.88 miles

303(d) list Listed 1996

Location

Upstream of USGS gaging station 03335000 near

Lafayette.

Discharge TIPPECANOE CO Assessment Date 19991108

Assessment notes Number 97 on 1998 303d list - Ref 31; 03/01/1998. Fish consumption - Ref 35. Site 23-111, 23-08 - Ref 72, ALUS revised; lead, ammonia, nutrients, dissolved oxygen meet standard 11/8/99.

Sampled between 19980803

and 19981022

Designated Use **Aquatic Life Support**

Support Fully

Causes (Pollutants or stressors)

Sources (Activities)

Fish Consumption

PCBs

Source Unknown

Primary Contact (Recr) Not supporting

Nonpoint source/ unknown origin

s

Assessment Method

Pathogens

Assessment ID

390

240 Non-fixed station physical/chemical (conventional + toxicants)

421 Water column/ five E. coli samples in 30 days

422 Water column/ E. coli grab samples

Abreviations: ALUS-aquatic life use support. BSS-Biological Studies Section. DELT-deformities, lesions, and tumors. D/S-downstream. FISH-fish consumption use support. HUA-hydrologic unit area. IBI-index of biotic integrity (fish). LMTD-limited use support. mIBI-Macroinvertebrate index of biotic integrity. QHEI-Qualitative habitat evaluation index. RCRA-Resource Conservation and Recovery Act. RECR-recreational use support. RF3-USEPA Reach File 3. Str pipe-raw sewage discharge pipe. U/S-upstream. UTM-global positioning coordinates. Cause and source rating codes: H-high, M-moderate, S-slight, T-more information needed to decide.

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The contents of this report are subject to revision and update. Check for Indiana water quality updates at www.state.in.us/idem/owm/planbr/wqs/quality/BASIN Wabash River

INB0751 WATERBODY **WILDCAT CREEK - DRY RUN** 14-digit HUA 05120107050010 SEGMENT T1028 Wildcat Creek - mainstem 4.82 miles 303(d) list Listed 1996 Location Downstream on USGS gage 03335000 near Discharge TIPPECANOE CO Assessment Date 19991108 Lafayette. Assessment notes 97 on 1998 303d list - Ref 31; 03/01/1998. Fish Sampled between 19960101 19981231 consumption - Ref 35. Site 23-112 sediment, WC-3 - Ref 72. ALUS revised: ammonia, nutrients, dissolved oxygen supp 11/8/99. Possible lead cause; more information needed. Designated Use Causes (Pollutants or stressors) <u>Support</u> Sources (Activities) 391 **Aquatic Life Support Fully** Metals Lead T Fish Consumption Partial **PCBs** M Source Unknown М Primary Contact (Recr) Fully **Assessment Method** Assessment ID 391 240 Non-fixed station physical/chemical (conventional 250 Chemical monitoring of sediments 422 Water column/ E. coli grab samples

Abreviations: ALUS-aquatic life use support. BSS-Biological Studies Section. DELT-deformities, lesions, and tumors. D/S-downstream. FISH-fish consumption use support. HUA-hydrologic unit area. IBI-Index of biotic integrity (fish). LMTD-limited use support. mIBI-Macroinvertebrate index of biotic integrity. QHEI-Qualitative habitat evaluation index. RCRA-Resource Conservation and Recovery Act. RECR-recreational use support. RF3-USEPA Reach File 3. Str pipe-raw sewage discharge pipe. U/S-upstream. UTM-global positioning coordinates. Cause and source rating codes: H-high, M-moderate, S-slight, T-more information needed to decide.

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ATTACHMENT 3

South Fork Wildcat Creek Cyanide Factsheet



Indiana Department of Environmental Management Office of Water Management Assessment Branch

FACT SHEET IDEM/100/29/496/027/2000 February 2000

WILDCAT CREEK WATERSHED

Cyanide And The South Fork Of Wildcat Creek

Introduction

The Fixed Station (Ambient) Monitoring Program, part of IDEM's Surface Water Quality Assessment Program, monitors the water quality at 160 Fixed Stations (sites) located on various waterbodies throughout the State every month. This program relies upon the sampling efforts of the Surveys Section of the IDEM Office of Water Management's Assessment Branch and laboratory analyses performed by the Indiana State Department of Health (ISDH). One of the Fixed Stations, WCS 34, is located on the South Fork of Wildcat Creek at State Road 39 just northwest of Frankfort. In recent years, cyanide has been detected in water samples at WCS 34. As a result, the South Fork of Wildcat Creek was considered impaired due to cyanide and was subsequently placed on Indiana's 303(d) list of impaired waterbodies. IDEM has targeted the South Fork of Wildcat Creek for TMDL development because of the 303(d) listing. Recently, an IDEM chemist uncovered a possible problem in the cyanide measurements from WCS 34.

Problem

The cyanide analysis being performed by ISDH is known to be very susceptible to interference from various chemicals. Nitrate and nitrite, which are routinely generated in wastewater treatments plants, are two such chemicals. EPA Method 335.4, the analytical method for total cyanide in water samples currently being utilized by ISDH, notes the following:

High results may be obtained for samples that contain nitrate and/or nitrite. During the distillation nitrate and nitrite will form nitrous acid that will react with some organic compounds compounds to form oximes. These oximes will decompose under test conditions to generate HCN.¹

Since WCS 34 is situated downstream and in close proximity to the City of Frankfort Wastewater Treatment Plant, nitrate is always present at levels which could cause interference. Consequently, the cyanide results from WCS 34 cannot be considered reliable and need further investigation. The City of Hollywood Wastewater Treatment Plant in Hollywood, Florida noticed a similar nitrate interference problem in their cyanide measurements.

Solution

EPA Method 335.4 recommends the addition of sulfamic acid to water samples containing nitrate. "The interference of nitrate and nitrite is eliminated by pretreatment with sulfamic acid." At the recommendation of IDEM, ISDH has started to pretreat Fixed Station water samples submitted for cyanide analysis with sulfamic acid.

Conclusion

Fixed Station cyanide data generated by ISDH will be scrutinized very carefully over the next year. If cyanide at WCS 34 is no longer present at or above the Water Quality Standard as a result of the method modification, then past detectable cyanide results will be neglected.

Methods for the Determination of Inorganic Substances in Environmental Samples, EPA/600/R-93/100, August 1993, Method 335.4.

ATTACHMENT 4

Indiana State Department of Health Residential On-Site Sewage Disposal: A historical Perspective

Indiana State Department of Health Residential On-Site Sewage Disposal: A historical Perspective

(submitted by Dan Bloodgood, Clinton County)

1899

33 USC 407

Rivers and Harbours Act

Referred to as "the Refuse Act of 1899"

This was not intended as a "pollution" statute, it was intended to protect and improve the quality of the navigable waterways. It was used by the Federal Government to control water pollution.

1930's - 1978

Bulletin S.E. 8

Developed by Purdue University and the ISBH to guide development in the post-war rural and urban sprawl. The new building outside the reaches of municipal sewers utilized in-door plumbing. The new technology and regulations could not keep up with demand; consequently, several iterations were produced.

1943

IC 13-1-3

Stream Pollution Control Law

A State regulation which prohibits discharge into the waters of the State without a permit.

1949

IC 16-20-1-19

Powers and Duties

Local health officers shall enforce the "laws" of their own and superior boards of health.

1949

IC 16-20-1-23

Inspection of private property

The health officer (designee) can enter onto property, at proper times after due notice, to protect public health.

1949

IC 16-20-1-25

Order to abate unlawful conditions

A person shall not maintain an unhealthy condition, if they do, the health officer shall order abatement.

1977/1978

HSE 25/HSE 25R

Residential On-Site Wastewater Disposal

Needed because: counties were adopting different copies of SE 8; SE 8 did not have the force of law; and lack of consistency needed between counties. Provisions: allowed newer types of technology and soil evaluation (permeability) instead of perc tests (percolation).

1978

Rule 410 IAC 6-8 Residential On-Site Sewage Disposal Systems Recodified HSE 25R

1980

IC 36-1-3 Home Rule

State generates broad statutes; Counties regulates local affairs/situations.

1990

Rule 410 IAC 6-8.1

Residential On-Site Sewage Disposal Systems

New provisions: site evaluation; more specific with technical information; and addressed drainage.

1996

Rule 327 IAC 5-1-1.5

Water Pollution Control Board

IDEM enforces, this replaces a policy. A residential dwelling <u>cannot</u> discharge (<u>treated or untreated</u>) waste to the waters of the State.

1999

Rule 410 IAC 6-8.2

Residential On-Site Sewage Disposal

New provisions: commercial and residential combined; corrects vague issues and provides clarification.